VOLUME XLIII, NO. 229 • SECTION II • JULY-AUGUST 1958

# ORDNANCE

## LAND · SEA · AIR · SPACE

## The Annual Directory Section
## 1958-1959

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Board of Directors and Executive Committee
National Officers and Advisory Board
Officers and Directors of All Local Posts
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AMERICAN ORDNANCE ASSOCIATION
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# AMERICAN ORDNANCE ASSOCIATION

***Founded 1919***

**A patriotic, educational, scientific, nonpolitical, and nonprofit-making organization of American citizens dedicated to scientific and industrial preparedness for the common defense**

ORDNANCE is the generic term embracing:

All weapons, armament, and the appurtenances for their operation and maintenance, whether land-based, on or under the sea, airborne, or in space, including—

All ammunition and its chemical, metallurgical, and nuclear components.

All rockets, guided missiles, bombs, torpedoes, depth charges, and mines.

All combat and tactical vehicles including tanks, tank destroyers, and weapon carriers.

All vehicles for automotive transport of personnel and matériel on land.

All optical, aërial, mechanical, electrical, and electronic systems for guiding and homing missiles and for locating and tracking targets on land, at sea, in the air, and in space.

- The need for a civilian association of private citizens to coöperate with the ordnance and armament organizations of our Armed Forces is traditional. It arises from the fact that in time of emergency, as our experience in two world wars so tragically proved, ordnance and armament of superior quality and in great quantities must be available in a very minimum of time for the use of our Armed Forces. Thus we endeavor to avoid incurring unnecessary expenditures of hundreds of millions of dollars and, infinitely more important, the sacrifice of thousands of American lives.

- Trained scientists and engineers in the laboratories and industrial establishments of our country, alert executives and key men of our factories and plants, students at our technical colleges, and artisans of our vast economy—all are united through membership in the American Ordnance Association. All are pledged to achieve peace through strength by providing superior ordnance for our Armed Forces.

- To keep alive a knowledge of ordnance and armament design and production; to assist in the solution of the ramified technical, scientific, and economic problems incident to ordnance and armament preparedness; to weld into an active, alert, and skilled group all eligible citizens for the advancement of scientific and industrial preparedness, and thus to contribute to the strength of our national security and the maintenance of peace—these are the goals of the American Ordnance Association.

# American Ordnance Association

## COUNCIL

***The elective body of the Association is its Council composed of one member representing each local Post, one member representing each Technical Division, the three immediate past presidents, the charter national officers and directors, and twenty-four members at large.***

William W. Coleman, *Chairman*—Past President of the Association—Bucyrus-Erie Company, South Milwaukee, Wis.

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Fred G. Arkoosh—Representing Nebraska Post—Wilkinson Manufacturing Company, Omaha, Nebr.

Joseph L. Auer—Member at Large—R. Hoe & Co., Inc., New York, N. Y.

Everett Baugh—Representing Combat and Tactical Vehicle Division—Cadillac Motor Car Division, General Motors Corporation, Cleveland Ordnance Plant, Cleveland, Ohio.

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Horace F. Bigelow—Representing Far East Post—Eighth United States Army, Japan.

F. S. Blackall, Jr.—Representing Dimensional Standards and Metrology Division—Taft-Peirce Manufacturing Company, Woonsocket, R. I.

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Irving A. Duffy—Member at Large—Ford Motor Company, Detroit, Mich.

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E. B. English—Member at Large—Caterpillar Tractor Co., Peoria, Ill.

Lawrence S. Fletcher—Representing San Francisco Post—attorney at law, Oakland, Calif.

Maurice A. Fraher—Representing Quad Cities-Iowa Post—Deere & Company, Moline, Ill.

Robert C. Geffs—Representing Los Angeles Post—Clary Corporation, San Gabriel, Calif.

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Ralph L. Goetzenberger—Representing Fire Control Instrument Division—Minneapolis-Honeywell Regulator Company, Washington, D. C.

Britton L. Gordon—Member at Large—Blackmer Pump Company, Grand Rapids, Mich.

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Homer C. Hirsch—Representing Rio Grande Post—Hirsch Brothers Machinery Company, El Paso, Tex.

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Walter N. Howley—Member at Large—Lansdowne Steel & Iron Company, Morton, Pa.

Roy T. Hurley—Member at Large—Curtiss-Wright Corporation, Wood-Ridge, N. J.

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Ernest G. Jones—Member at Large—Skagit Steel & Iron Works, Sedro-Woolley, Wash.

H. R. Jordan—Representing Lone Star Post—Chance Vought Aircraft Company, Dallas, Tex.

John W. Kraus—Representing Preservation, Packing and Packaging Division—Thompson Products, Inc., Cleveland, Ohio.

Jacobus Kruyne—Representing Milwaukee Post—Home Savings Bank, Milwaukee, Wis.

Wilson D. Leggett, Jr.—Representing Capital Cities Post—Alco Products, Inc., Schenectady, N. Y.

Willard L. Love—Representing New Orleans Post—Rheem Manufacturing Company, New Orleans, La.

Homer E. Lunken—Representing Cincinnati Post—Lunkenheimer Company, Cincinnati, Ohio.

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W. C. MacFarlane, Sr.—Representing Northwest Post—Minneapolis-Moline Company, Minneapolis, Minn.

James D. Maitland—Representing Rocky Mountain Post—Cobsuco Steel Products, Denver, Colo.

E. F. McCrossin—Representing New York Post—McCrossin & Company, New York, N. Y.

J. Kirby McDonough—Member at Large—Murray Company of Texas, Dallas, Tex.

John C. McHannan—Member at Large—Cleveland, Ohio.

Ernest A. Merklein, Sr.—Representing Louisiana Post—Merklein and Company, Shreveport, La.

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Marmion D. Mills—Representing Puget Sound Post—Winslow, Wash.

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A. G. Noble—Representing Underwater Ordnance Division—Vitro Corporation of America, New York, N. Y.

E. J. O'Connor—Representing Mid-Continent Post—Oklahoma City, Okla.

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Walter C. Pew—Member at Large—Sun Oil Company, Philadelphia, Pa.

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Wilbur J. Reitze—Representing Advisory Technical and Research Group—Esso Standard Oil Company, New York, N. Y.

*(Continued on p. 6)*

## COUNCIL (Contd.)

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William J. Rushton—Representing Birmingham Post—Protective Life Insurance Company, Birmingham, Ala.

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Ross Stewart—Representing Texas Post—Stewart & Stevenson Services, Houston, Tex.

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Robert L. Telford—Representing Bomb and Artillery Ammunition Division—Mason & Hanger-Silas Mason Company, New York, N. Y.

E. Gwyn Thomas—Representing Empire Post—Manufacturers Association of Syracuse, Syracuse, N. Y.

William E. Vaughn—Representing Aberdeen Proving Ground Post—Ordnance Training Command, Aberdeen Proving Ground, Md.

Harry A. Wansker—Representing Yankee Post—United-Carr Fastener Corporation, Cambridge, Mass.

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Maxwell R. Warden—Representing Small Arms and Small Arms Ammunition Division—Remington Arms Company, Bridgeport, Conn.

G. A. Waters—Representing St. Louis Post—Richmond Heights, Mo.

A. J. Weatherhead, Jr.—Representing Cleveland Post—Weatherhead Company, Cleveland, Ohio.

Everett B. Webster—Representing Philadelphia Post—Can Division, Crown Cork & Seal Company, Philadelphia, Pa.

## BOARD OF DIRECTORS

Robert L. Biggers—until December 31, 1961—Chrysler Motors Corporation, Detroit, Mich.

Omar N. Bradley—until December 31, 1959—Bulova Watch Company, Washington, D. C.

Levin H. Campbell, Jr.—until December 31, 1960—Automotive Safety Foundation, Washington, D. C.

Benjamin W. Chidlaw—until December 31, 1959—Thompson Products, Inc., Cleveland, Ohio.

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George F. Hussey, Jr.—until December 31, 1958—American Standards Association, New York, N. Y.

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Henry T. Luria—until December 31, 1961—Luria Engineering Company, New York, N. Y.

Henry N. Marsh—until December 31, 1958—Hercules Powder Company, Wilmington, Del.

Erle Martin—until December 31, 1960—Hamilton Standard Division, United Aircraft Corporation, Windsor Locks, Conn.

R. L. Maxwell—until December 31, 1960—Washington, D. C.

James D. McIntyre—until December 31, 1960—Montgomery, Ala.

F. H. Payne—Charter National Director—Greenfield, Mass.

John S. Pfeil—until December 31, 1959—Wellesley Hills, Mass.

Louis Polk—until December 31, 1961—Sheffield Corporation, Dayton, Ohio, and Bendix Aviation Corporation, New York, N. Y.

S. E. Skinner—until December 31, 1958—General Motors Corporation, Detroit, Mich.

J. E. Trainer—until December 31, 1959—Firestone Tire & Rubber Company, Akron, Ohio.

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Herbert R. White, Eclipse Counterbore Company, Detroit, Mich.

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*Counsel:* John Ross Delafield—Delafield, Marsh & Hope, New York, N. Y.

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*Staff Director for Technical Operations:* Edward P. Mechling, Mills Building, Washington, D. C.

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*Staff Director for Membership Extension:* R. J. Warfel, Mills Building, Washington, D. C.

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C. Jared Ingersoll, Muskogee Company, Philadelphia, Pa.

K. T. Keller, Detroit, Mich.

Fairman B. Lee, Fairman B. Lee Company, Seattle, Wash.

Ben Moreell, Jones & Laughlin Steel Corp., Pittsburgh, Pa.

Paul Pigott, Pacific Car and Foundry Company, Seattle, Wash.

Lewis L. Strauss, United States Atomic Energy Commission, Washington, D. C.

W. G. Swartchild, Jr., Swartchild & Company, Chicago, Ill.

# Local Posts of the A.O.A.

**Posts of the Association are formed for the general purpose of cultivating a more intimate understanding of ordnance subjects through meetings, plant visits, seminars, and reports on particular ordnance problems.**

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### Aberdeen Proving Ground Post, August 16, 1944

*President:* Harry A. Bechtol, Development and Proof Services, Aberdeen Proving Ground, Md.
*Vice-President:* Willis E. Cleaves, Bendix Radio Communications Division, Bendix Aviation Corporation, Baltimore, Md.
*Secretary-Treasurer:* Harry W. Storath, Aberdeen Proving Ground, Md.
*Directors:* Harry A. Bechtol, Development and Proof Services, Aberdeen Proving Ground, Md.
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H. K. Ross, Aberdeen Proving Ground, Md.
Joseph M. Schiavetti, Gerotor May Corporation, Baltimore, Md.
Walter D. Smith, The Martin Company, Baltimore, Md.
William E. Vaughn, Ordnance Training Command, Aberdeen Proving Ground, Md.
*National Council Representative:* William E. Vaughn—Ordnance Training Command, Aberdeen Proving Ground, Md.

### Albuquerque Post, November 1, 1955

*President:* J. J. O'Connell, Machine Engineering Corporation, Albuquerque, N. Mex.
*First Vice-President:* L. V. Julihn, Lytle Engineering & Manufacturing Company, Albuquerque, N. Mex.
*Second Vice-President:* R. V. Taborelli, Lovelace Foundation, Albuquerque, N. Mex.
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*Treasurer:* W. T. Geyer, ACF Industries, Incorporated, Albuquerque, N. Mex.
*Directors:* J. M. Banks, Kirtland Air Force Base, Albuquerque, N. Mex.
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E. W. McDougall, ACF Industries, Incorporated, Albuquerque, N. Mex.
R. A. Poe, Sandia Corporation, Albuquerque, N. Mex.
Clark Read, Sandia Corporation, Albuquerque, N. Mex.
Otto H. Roehlk, United States Atomic Energy Commission, Albuquerque, N. Mex.
*National Council Representative:* C. W. Lytle, Lytle Engineering and Manufacturing Company, Albuquerque, N. Mex.

### Birmingham Post, December 3, 1930

*President:* R. S. Lynch, Atlantic Steel Company, Atlanta, Ga.
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J. Frank Curry, Protective Life Insurance Company, Birmingham, Ala.
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William J. Rushton, Protective Life Insurance Company, Birmingham, Ala.
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Warren Whitney, James B. Clow & Sons, Inc., Birmingham, Ala.
Arthur V. Wiebel, Tennessee Coal and Iron Division, U. S. Steel Corporation, Fairfield, Ala.
*National Council Representative:* William J. Rushton, Protective Life Insurance Company, Birmingham, Ala.

### Capital Cities Post, February 8, 1950

*President:* Arthur B. Gregg, Jr., General Electric Company, Pittsfield, Mass.
*First Vice-President:* E. S. Mathews, Watervliet Arsenal, Watervliet, N. Y.
*Second Vice-President:* R. L. Fryer, Alco Products, Inc., Schenectady, N. Y.
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A. M. Demont, General Electric Company, Schenectady, N. Y.
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R. L. Fryer, Alco Products, Inc., Schenectady, N. Y.
Arthur B. Gregg, Jr., General Electric Company, Pittsfield, Mass.
W. A. Kitts, 3rd, General Electric Company, Schenectady, N. Y.
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Malcolm S. MacKenzie, Behr-Manning Corporation, Troy, N. Y.
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William Stuart, Watervliet Arsenal, Watervliet, N. Y.
P. G. Townes, General Electric Company, Pittsfield, Mass.
E. S. Webster, Watervliet Arsenal, Watervliet, N. Y.
*National Council Representative:* W. D. Leggett, Alco Products, Inc., Schenectady, N. Y.

### Chicago Post, May 3, 1924

*President:* William G. Swartchild, Jr., Swartchild & Company, Chicago, Ill.
*Vice-Presidents:* Edward J. O'Keefe, O'Keefe & Walters, Chicago, Ill.
Marion J. Allen, American Steel Foundries, Chicago, Ill.
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*Secretary:* Blanche Kelly, Chicago Ordnance District, 209 West Jackson Boulevard, Chicago 6, Ill.
*Directors:* H. O. Bercher, International Harvester Company, Chicago, Ill.
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E. J. Bush, Diamond T Motor Car Company, Chicago, Ill.
William Caples, Inland Steel Company, Chicago, Ill.

Thomas Drever, American Steel Foundries, Chicago, Ill.
Henry P. Isham, Clearing Industrial District, Inc., Chicago, Ill.
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Glen Lloyd, Bell, Boyd, Marshall & Lloyd, Chicago, Ill.
C. L. P. Medinnis, Chicago Ordnance District, Chicago, Ill.
Charles Z. Meyer, First National Bank, Chicago, Ill.
Francis W. Parker, Jr., Parker & Carter, Chicago, Ill.
Keith Parsons, Milliken, Vollers & Parsons, Chicago, Ill.
H. J. Prebensen, Air Comfort Corporation, Chicago, Ill.
John Rettaliata, Armour Research Foundation, Chicago, Ill.
J. Albert Roesch, Roesch & Crosby, Chicago, Ill.
Francis A. Seng, Seng Company, Chicago, Ill.
John Slezak, Kable Printing Company, Mount Morris, Ill.
*National Council Representative:* H. J. Prebensen, Air Comfort Corporation, Chicago, Ill.

**Cincinnati Post, December 10, 1925**

*President:* Perrin G. March, III, Cincinnati Shaper Company, Cincinnati, Ohio.
*First Vice-President:* Homer E. Lunken, Lunkenheimer Company, Cincinnati, Ohio.
*Vice-Presidents:* F. Donald Hart, Temco, Inc., Nashville, Tenn.
Henry V. Heuser, Henry Vogt Machine Company, Louisville, Ky.
Edward B. Newill, Allison Division, General Motors Corporation, Indianapolis, Ind.
*Secretary-Treasurer:* Lennard C. Sorensen, Cincinnati Ordnance District, 230 East Ninth Street, Cincinnati, Ohio.
*Directors:* Frederick V. Geier, Cincinnati Milling Machine Company, Cincinnati, Ohio.
Robert S. Gruver, Armco Steel Corporation, Middletown, Ohio.
Harvey C. Knowles, Procter & Gamble Company, Cincinnati, Ohio.
Harold R. LeBlond, Cleveland Automatic Machine Company, Cincinnati, Ohio.
Homer E. Lunken, Lunkenheimer Company, Cincinnati, Ohio.
Perrin G. March, III, Cincinnati Shaper Company, Cincinnati, Ohio.
David A. Meeker, Hobart Manufacturing Company, Troy, Ohio.
William H. Mitchell, Mitchell Steel Company, Cincinnati, Ohio.
E. B. Newill, Allison Division, General Motors Corporation, Indianapolis, Ind.
Louis Polk, Sheffield Corporation, Dayton, Ohio.
W. A. Rentschler, Citizens Savings Bank & Trust Company, Hamilton, Ohio.
Harry S. Robinson, Cincinnati, Ohio.
*National Council Representative:* Homer E. Lunken, Lunkenheimer Company, Cincinnati, Ohio.

**Middle Tennessee Chapter, Cincinnati Post**

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*Vice-Chairman:* Neil Cargile, Allen Products Company, Nashville, Tenn.
*Secretary-Treasurer:* H. A. Nisley, Warren Brothers, Inc., Nashville, Tenn.
*Directors:* W. H. Dyer, Metal Products Company, Nashville, Tenn.
Edwin A. Keeble, Edwin A. Keeble Associates, Inc., Nashville, Tenn.
Bernard A. McDermott, Ferro Corporation, Nashville, Tenn.
James G. Stahlman, *Nashville Banner,* Nashville, Tenn.

**The Citadel Post, February 21, 1951**

*President:* Cadet R. W. Zeltman, The Citadel, Charleston, S. C.
*First Vice-President:* Cadet D. F. Culp, The Citadel, Charleston, S. C.
*Second Vice-President:* Cadet R. E. Doyle, The Citadel, Charleston, S. C.
*Secretary:* Cadet W. E. Naumann, The Citadel, Charleston, S. C.
*Treasurer:* Cadet D. F. Bellek, The Citadel, Charleston, S. C.

**Cleveland Post, October 25, 1940**

*President:* Albert J. Weatherhead, Jr., Weatherhead Company, Cleveland, Ohio.
*Vice-President:* J. E. Trainer, Firestone Tire & Rubber Company, Akron, Ohio.
*Secretary-Treasurer:* J. C. McHannan, Central National Bank of Cleveland, Cleveland, Ohio.
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*Directors:* Robert F. Black, White Motor Company, Cleveland, Ohio.
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Ward M. Canaday, Overland Corporation, Toledo, Ohio.
Fred H. Chapin, National Acme Company, Cleveland, Ohio.
B. W. Chidlaw, Thompson Products, Inc., Cleveland, Ohio.
Frederick C. Crawford, Thompson Products, Inc., Cleveland, Ohio.
Robert H. Daisley, Eaton Manufacturing Company, Cleveland, Ohio.
William H. Forster, Jr., Hayes Manufacturing Company, Erie, Pa.
Clyde T. Foster, Standard Oil Company, Cleveland, Ohio.
Stephen A. Girard, Willys Motors, Inc., Toledo, Ohio.
H. P. Ladds, National Screw & Manufacturing Company, Cleveland, Ohio.
W. G. Laffer, Clevite Corporation, Cleveland, Ohio.
Van H. Leichliter, American Steel & Wire Company, Cleveland, Ohio.
J. L. Mauthe, Youngstown Sheet & Tube Company, Youngstown, Ohio.
William I. Ong, American Steel & Wire Company, Cleveland, Ohio.
T. F. Patton, Republic Steel Corporation, Cleveland, Ohio.
Hermon Safford, Ohio Rubber Company, Willoughby, Ohio.
W. J. Sampson, Jr., American Welding & Manufacturing Company, Warren, Ohio.
A. W. Steudel, Sherwin-Williams Company, Cleveland, Ohio.
Charles J. Stilwell, Warner & Swasey Company, Cleveland, Ohio.
Edwin J. Thomas, Goodyear Tire & Rubber Company, Akron, Ohio.
W. Robert Timken, Timken Roller Bearing Company, Canton, Ohio.
E. F. Tomlinson, B. F. Goodrich Company, Akron, Ohio.
William A. Weaver, Griswold-Eshleman Company, Cleveland, Ohio.
Charles M. White, Republic Steel Corporation, Cleveland, Ohio.
Dr. Clyde W. Williams, Battelle Memorial Institute, Columbus, Ohio.
*National Council Representative:* A. J. Weatherhead, Jr., Weatherhead Company, Cleveland, Ohio.

**Columbia River Post, June 14, 1950**

*President:* Edward A. Haas, Ballou and Wright, Portland, Oreg.
*First Vice-President:* Jesse M. Roseberry, Instrument Sales and Service, Portland, Oreg.

*Second Vice-President:* Ralph D. McGilvra, Product Engineering Company, Portland, Oreg.
*Secretary:* John R. Anderson, Carborundum Company, Vancouver, Wash.
*Treasurer:* Delmer C. Wise, Morris P. Kirk and Son, Inc., Portland, Oreg.
*Directors:* T. R. Emerson, Bonneville Power Administration, Portland, Oreg.
M. F. Kneeland, Kneeland and Kneeland, Attorneys, Portland, Oreg.
A. F. McGarr, Lomac Motors, Inc., Portland, Oreg.
J. W. Messer, Grand Metal Products Company, Portland, Oreg.
*National Council Representative:* William P. Allyn, U. S. National Bank, Portland, Oreg.

**Cumberland Valley Post, January 9, 1958**

*President:* William H. Strauss, Waynesboro Manufacturers Association, Waynesboro, Pa.
*Vice-Presidents:* William F. Rader, Letterkenny Ordnance Depot, Chambersburg, Pa.
James S. Spore, Naval Ordnance Supply Office, Mechanicsburg, Pa.
*Secretary:* Albert P. Schwarz, Letterkenny Ordnance Depot, Chambersburg, Pa.
*Treasurer:* Jack M. Kauffman, Letterkenny Ordnance Depot, Chambersburg, Pa.
*Directors:* R. W. Daniels, Chambersburg Engineering Company, Chambersburg, Pa.
Curtis Meyers, Naval Ordnance Supply Office, Mechanicsburg, Pa.
W. Planck, Planck Engineering Company, Gettysburg, Pa.
Jonathan Stouffer, Wilcox Forging Corporation, Mechanicsburg, Pa.
*Chaplain:* Benjamin V. Lavey, Trinity Episcopal Church, Chambersburg, Pa.
*National Council Representative:* William H. Strauss, Waynesboro Manufacturers Association, Waynesboro, Pa.

**Dixie Post, December 7, 1957**

*President:* George Svadeba, U. S. Naval Mine Depot, Yorktown, Va.
*Vice-President:* Wesley C. Ranes, U. S. Naval Mine Depot, Yorktown, Va.
*Secretary:* E. E. Mason, U. S. Naval Mine Depot, Yorktown, Va.
*Treasurer:* F. E. Kinsinger, U. S. Naval Mine Depot, Yorktown, Va.
*Directors:* W. P. Chilton, U. S. Naval Mine Depot, Yorktown, Va.
T. W. Cooke, Fort Monroe, Va.
U. Cormier, U. S. Naval Mine Depot, Yorktown, Va.
W. E. Curtis, Fort Monroe, Va.
F. R. Garner, Jr., Armed Forces Staff College, Norfolk, Va.
Edward H. Kolcum, Daily Press, Inc., Newport News, Va.
L. C. Leonard, College of William and Mary, Williamsburg, Va.
T. B. McConnell, U. S. Naval Mine Depot, Yorktown, Va.
J. N. Quisenberry, Horne Bros., Inc., Newport News, Va.
E. L. Smith, Langley Air Force Base, Va.
*National Council Representative:* Ulysse Cormier, U. S. Naval Mine Depot, Yorktown, Va.

**Empire Post, April 29, 1938**

*President:* John J. O'Neil, Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y.
*First Vice-President:* Leston P. Faneuf, Bell Aircraft Corporation, Buffalo, N. Y.
*Second Vice-President:* H. Follett Hodgkins, Lipe-Rollway Company, Inc., Syracuse, N. Y.
*Treasurer:* Raymond M. Biehler, Rochester Institute of Technology, Rochester, N. Y.
*Secretary:* W. A. Davis, Rochester Ordnance District, Rochester, N. Y.
*Assistant Secretary:* Lee W. Hiatt, Rochester Ordnance District, Rochester, N. Y.
*Directors:* Alexander M. Beebee, Rochester Gas & Electric Corporation, Rochester, N. Y.
John H. Bouman, Ansco Division, General Aniline & Film Corporation, Binghamton, N. Y.
James P. Dickinson, Stowton Manufacturing Company, Binghamton, N. Y.
Robert E. Dillon, Lake Erie Engineering Corporation, Buffalo, N. Y.
Mark Ellingson, Rochester Institute of Technology, Rochester, N. Y.
Leston P. Faneuf, Bell Aircraft Corporation, Buffalo, N. Y.
Francis R. Gorman, Gorman & Halpern, Utica, N. Y.
Carl S. Hallauer, Bausch & Lomb Optical Company, Rochester, N. Y.
G. L. Haller, Defense Electronics Division, General Electric Company, Syracuse, N. Y.
H. Follett Hodgkins, Lipe-Rollway Company, Inc., Syracuse, N. Y.
Edwin M. Howell, Rome Manufacturing Division, Revere Copper & Brass, Inc., Rome, N. Y.
Richard Lorbach, Eastman Kodak Company, Rochester, N. Y.
Ray C. Malvin, Houdaille Industries, Inc., Buffalo, N. Y.
Edson G. Moshier, Smith-Corona, Inc., Rochester, N. Y.
Daniel P. Murphy, Symington-Wayne Corporation, Depew, N. Y.
C. Earl Norquist, Norquist Products, Inc., Jamestown, N. Y.
John J. O'Neil, Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y.
Walter R. Schlotzhauer, Ithaca, N. Y.
William J. Seevers, Bell Aircraft Corporation, Buffalo, N. Y.
Lewis B. Swift, Rochester, N. Y.
A. S. Young, Rochester Air Procurement District, U.S.A.F., Rochester, N. Y.
*National Council Representative:* E. Gwyn Thomas, Manufacturers Association of Syracuse, Syracuse, N. Y.

**Frontier Chapter, Empire Post**

*Chairman:* William Seevers, Bell Aircraft Corporation, Buffalo, N. Y.
*Vice-Chairman:* Clayton Adams, American Machine & Foundry Company, Buffalo Division, Buffalo, N. Y.
*Advisory Board:* Daniel Murphy, Symington Gould Corporation, Depew, N. Y.
John J. O'Neil, Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y.
Herbert Roosa, Houdaille Industries, Inc., Buffalo, N. Y.
Emanuel Schugar, Houdaille Industries, Inc., Buffalo, N. Y.
H. S. Tolley, Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y.

**Jamestown Chapter, Empire Post**

*Chairman:* C. Earl Norquist, Norquist Products, Inc., Jamestown, N. Y.

**Mohawk Valley Chapter, Empire Post**

*Chairman:* Francis R. Gorman, Gorman & Halpern, Utica, N. Y.
*Vice-Chairman:* Thomas Bright, Revere Copper & Brass Company, Rome, N. Y.

**Rochester Chapter, Empire Post**

*Chairman:* Ray M. Biehler, Rochester Institute of Technology, Rochester, N. Y.

*Vice-Chairman:* Earl T. Gruendike, General Railway Signal Company, Rochester, N. Y.

**Southern Tier Chapter, Empire Post**

*Chairman:* Walter R. Schlotzhauer, Ithaca, N. Y.
*Secretary:* F. N. Tracy, Ward LaFrance Truck Corporation, Elmira, N. Y.

**Syracuse-Central New York Chapter, Empire Post**

*Chairman:* Dan H. Robinson, Precision Castings Company, Inc., Syracuse, N. Y.
*First Vice-Chairman:* Wilbert L. Smith, Smith-Corona, Inc., Syracuse, N. Y.
*Second Vice-Chairman:* George S. Cole, Jr., Brown-Lipe-Chapin Division, General Motors Corporation, Syracuse, N. Y.
*Third Vice-Chairman:* Harold Edwards, Jr., O. M. Edwards Company, Syracuse, N. Y.
*Secretary:* E. Gwyn Thomas, Manufacturers Association of Syracuse, Syracuse, N. Y.
*Directors:* David H. Brown, New Process Gear Corporation, Syracuse, N. Y.
Fred N. Claypole, Syracuse, N. Y.
Fred Gangberg, General Electric Company, Syracuse, N. Y.
George L. Haller, Defense Electronics Division, General Electric Company, Syracuse, N. Y.
Edward A. Kaegi, Brown-Lipe-Chapin Division, General Motors Corporation, Syracuse, N. Y.
Frederick K. Kilian, Kilian Manufacturing Corporation, Syracuse, N. Y.
George Lilygren, Carrier Corporation, Syracuse, N. Y.
Harry C. Marley, Syracuse Surplus Company, Syracuse, N. Y.
Harold P. Martin, Carrier Corporation, Syracuse, N. Y.
C. D. Osborne, *Auburn Citizen-Advertiser,* Auburn, N. Y.
Conan A. Priest, Onondaga Pottery Company, Syracuse, N. Y.
C. H. M. Roberts, Pass & Seymour, Inc., Syracuse, N. Y.
Mark Russell, Pass & Seymour, Inc., Syracuse, N. Y.
Arthur D. Stone, Stone Machinery Company, Manlius, N. Y.
Alden P. Taber, Syracuse University, Syracuse, N. Y.
Charles W. Trout, Oneida Products Division, Henney Motor Company, Canastota, N. Y.
Eugene Vermillion, Lennox Industries, Syracuse, N. Y.
John H. Walsh, Carrier Corporation, Syracuse, N. Y.
Carl W. Weber, Frazer & Jones Company, Syracuse, N. Y.
A. Floyd Wray, Niagara Mohawk Power Corporation, Syracuse, N. Y.

**Tri-Cities Chapter, Empire Post**

*Chairman:* J. P. Dickinson, Stow Manufacturing Company, Binghamton, N. Y.
*Vice-Chairmen:* B. W. Elliott, Elliott Manufacturing Company, Binghamton, N. Y.
T. R. Griffith, Ansco Division, General Aniline & Film Corporation, Binghamton, N. Y.
C. H. Thompson, Thompson Company, Binghamton, N. Y.
*Secretary:* Harry A. Dolson, Defense Electronics Division, General Electric Company, Johnson City, N. Y.
*Treasurer:* Edward Barber, International Business Machines Corporation, Endicott, N. Y.

**Far East Post, June 28, 1958**

*President:* Edward G. Miller, Ordnance Office, Headquarters, United States Army, Japan.
*Vice-President:* Robert J. Hageman, United States Army Stock Management Agency, Far East, Japan.
*Secretary:* Daniel W. McClendon, United States Army Logistical Depot, Japan; APO 994, San Francisco, Calif.
*Treasurer:* Leslie E. Dickson, United States Army Ordnance Depot, Oppama, Japan.
*Directors:* Hugh Adkins, Tokyo Ordnance Subdepot, Japan.
Hugh Allen, Headquarters, United States Army Logistic Depot, Japan.
Hideo Arakaki, United States Army Ordnance Sport Detachment, Japan.
Forrest Beacock, Tokyo Ordnance Subdepot, Japan.
Robert Cook, Detachment F, Kmag, San Francisco, Calif.
Harry Dorsey, United States Army Logistic Depot, Japan.
James Gleason, United States Army Logistic Depot, Japan.
Donald Haley, United States Army Logistic Depot, Japan.
James Horlacher, Headquarters, United States Army Engineer Supply Center, Far East.
L. A. Martin, United States Army Logistic Depot, Japan.
Daniel McClendon, United States Army Logistic Depot, Japan.
Robert McSherley, United States Army Stock Management Agency, Tokyo, Japan.
Tom Nakamine, United States Army Ordnance Depot, Oppama, Japan.
Herman Ramph, Tokyo Ordnance Subdepot, Japan.
Fred J. Schloeder, United States Army Logistic Depot, Japan.
*National Council Representative:* Horace F. Bigelow, Eighth United States Army, Japan.

**Florida Post, June 12, 1951**

*President:* Eugene A. Romig, Air Proving Ground Center, Eglin Air Force Base, Fla.
*First Vice-President:* Walter F. Spence, Air Proving Ground Center, Eglin Air Force Base, Fla.
*Second Vice-President:* Darien A. McWhirter, Air Proving Ground Center, Eglin Air Force Base, Fla.
*Secretary:* Andrew J. Erickson, Vitro Corporation of America, Eglin Air Force Base, Fla.
*Treasurer:* Alan S. Galbraith, Air Proving Ground Center, Eglin Air Force Base, Fla.
*Directors:* The officers and Marvin M. Ashley, Eglin Air Force Base, Fla.
Michael E. Cassese, Eglin Air Force Base, Fla.
Alf T. Clausen, Eglin Air Force Base, Fla.
Walter P. Glover, Eglin Air Force Base, Fla.
Ben F. Hardaway, Eglin Air Force Base, Fla.
Marvin E. Kay, Eglin Air Force Base, Fla.
Henry B. Kucheman, Eglin Air Force Base, Fla.
Charles G. Mettler, Miami Beach, Fla.
G. W. Mitchell, Valparaiso, Fla.
David C. Sayles, Eglin Air Force Base, Fla.
James B. Tapp, Eglin Air Force Base, Fla.
Ben M. Young, Eglin Air Force Base, Fla.
*National Council Representative:* Eugene A. Romig, Air Proving Ground Center, Eglin Air Force Base, Fla.

**Hartford-Springfield Post, November 18, 1941**

*President:* S. C. Hope, Esso Standard Oil Company, New York, N. Y.
*Vice-Presidents:* J. H. Chaplin, Veeder-Root, Inc., Hartford, Conn.
C. H. Granger, Waterbury, Conn.
*Secretary-Treasurer:* J. A. MacDonnell, Gilbert & Barker Manufacturing Company, West Springfield, Mass.
*Directors:* The officers and F. H. Payne, Greenfield, Mass. (*chairman*).
G. H. Anthony, Veeder-Root, Inc., Hartford, Conn.
J. S. Begley, Holyoke, Mass.
William J. Crowe, Longmeadow, Mass.
C. K. Davis, Remington Arms Company, Bridgeport, Conn.
G. H. Drewry, Niles-Bement-Pond Company, West Hartford, Conn.
W. M. Goss, Scovill Manufacturing Company, Waterbury, Conn.
James L. Guion, Springfield, Mass.
C. R. Hellstrom, Smith & Wesson, Inc., Springfield, Mass.

D. P. Hess, American Bosch Arma Corporation, Springfield, Mass.
D. G. Ludlam, Springfield Armory, Springfield, Mass.
D. G. Millar, Greenfield Tap and Die Corporation, Greenfield, Mass.
H. H. Pease, New Britain Machine Company, New Britain, Conn.
R. E. Pritchard, Stanley Works, New Britain, Conn.
E. S. Pugsley, New Haven, Conn.
James Y. Scott, Springfield, Mass.
H. W. Steinkraus, Bridgeport Brass Company, Bridgeport, Conn.
James R. Weaver, Westinghouse Electric Corporation, Springfield, Mass.
*National Council Representative:* J. H. Chaplin, Veeder-Root, Inc., Hartford, Conn.

**Lone Star Post, June 12, 1945**

*President:* R. C. Blaylock, Chance Vought Aircraft Company, Dallas, Tex.
*First Vice-President:* L. A. Childs, Jr., Temco Aircraft Corporation, Dallas, Tex.
*Second Vice-President:* R. H. Norris, Dearborn Stove Company, Dallas, Tex.
*Secretary-Treasurer:* A. B. Thompson, Chance Vought Aircraft Company, P. O. Box 5907, Dallas, Tex.
*Directors:* C. H. Brown, Wichita Engineering Company, Wichita Falls, Tex.
F. W. Davis, Convair Division, General Dynamics Corporation, Fort Worth, Tex.
Homer D. Dunn, Hardwick-Etter Company, Sherman, Tex.
E. F. Fiock, Astrodyne, McGregor, Tex.
W. B. Freeman, Temco Aircraft Corporation, Dallas, Tex.
H. F. Haslbauer, Continental Gin Company, Dallas, Tex.
W. F. Joyce, Texas Instruments, Inc., Dallas, Tex.
Archie M. Kahan, Texas A. & M. Research Foundation, College Station, Tex.
Frank L. Lebus, Jr., Rotary Tool Works, Inc., Longview, Tex.
Forbes Mann, Chance Vought Aircraft Company, Dallas, Tex.
F. B. McKimball, Southwestern Gage Company, Dallas, Tex.
I. Nevin Palley, Temco Aircraft Corporation, Dallas, Tex.
Warren W. Wells, Big "3" Welding Supply Company, Fort Worth, Tex.
*National Council Representative:* H. R. Jordan, Chance Vought Aircraft Company, Dallas, Tex.

**A. &. M. College of Texas Chapter, Lone Star Post**

*President:* Cadet Thomas E. Reddin, College Station, Tex.
*Vice-President for Activities:* Cadet Jack N. McCrary, College Station, Tex.
*Vice-President for Committees:* Cadet James W. Best, College Station, Tex.
*Corresponding Secretary:* Cadet John F. Bowman, Box 4389, College Station, Tex.
*Coördinating Secretary:* Cadet William M. Stough, College Station, Tex.
*Recording Secretary:* Cadet Trent N. Cox, College Station, Tex.
*Senior Adviser:* Cadet Newton T. Harris, III, College Station, Tex.
*Faculty Adviser:* Capt. Wilbur A. Wilson, Department of Military Science and Tactics, Texas A. & M. College, College Station, Tex.

**Los Angeles Post, May 27, 1936**

*President:* Whitley C. Collins, Northrop Aircraft Company, Hawthorne, Calif.
*First Vice-President:* Rea E. Hopper, Hughes Tool Company, Culver City, Calif.
*Second Vice-President:* John B. Rauen, Los Angeles, Calif.
*Treasurer:* Samuel K. Rindge, Citizens National Bank, Los Angeles, Calif.
*Secretary:* Gordon B. Crary, Jr., E. F. Hutton & Company, 623 South Spring Street, Los Angeles 13, Calif.
*Directors:* The officers and Patrick W. Lizza, Bermite Powder Company, Saugus, Calif. (*chairman*).
Aubrey E. Austin, Jr., Santa Monica Commercial Trust & Savings Bank, Santa Monica, Calif.
B. A. Bannan, Western Gear Corporation, Lynwood, Calif.
Henry L. Clark, Harvill Corporation, Los Angeles, Calif.
F. W. Conant, Douglas Aircraft Company, Santa Monica, Calif.
Louis G. Dunn, Ramo-Wooldridge Corporation, Inglewood, Calif.
Homer O. Eaton, California National Guard, Los Angeles, Calif.
Leonard K. Firestone, Firestone Tire & Rubber Company, Los Angeles, Calif.
C. C. Gabrielson, Haskins & Sells, Los Angeles, Calif.
Robert C. Geffs, Clary Corporation, San Gabriel, Calif.
Walter S. Grant, Rheem Manufacturing Company, Downey, Calif.
Courtlandt S. Gross, Lockheed Aircraft Corporation, Burbank, Calif.
H. Leslie Hoffman, Hoffman Electronics, Los Angeles, Calif.
Earle M. Jorgensen, Earle M. Jorgensen Steel Company, Los Angeles, Calif.
Robert T. Keller, Chrysler Corporation, Los Angeles, Calif.
William B. McGee, Los Angeles, Calif.
Ben. S. Mesick, Arthur D. Little, Inc., Los Angeles, Calif.
K. T. Norris, Jr., Norris-Thermador Corporation, Los Angeles, Calif.
Robert Q. Parsons, Great Western Arms Company, Venice, Calif.
William H. Pickering, Jet Propulsion Laboratory, California Institute of Technology, Pasadena, Calif.
John D. Spalding, National Supply Company, Torrance, Calif.
Hayward C. Thomas, L. A. Regional Renegotiation Board, Los Angeles, Calif.
W. A. Wilson, Web Wilson Oil Tools, Inc., Los Angeles, Calif.
W. E. Zisch, Aerojet-General Corporation, Azusa, Calif.
*National Council Representative:* Robert C. Geffs, Clary Corporation, San Gabriel, Calif.

**China Lake Chapter, Los Angeles Post**

*Chairman:* J. L. Cox, Naval Ordnance Test Station, China Lake, Calif.
*Vice-Chairman:* F. J. Lavacot, Naval Ordnance Test Station, China Lake, Calif.
*Assistant Chairmen:* William P. Koontz, China Lake, Calif.
W. B. Robertson, China Lake, Calif.

**San Diego Chapter, Los Angeles Post**

*Chairman:* William H. Woodson, Staff, Commander Air Forces Pacific Fleet, San Diego, Calif.
*Vice-Chairman:* Richard H. Meleney, Convair-Astronautics, San Diego, Calif.
*Secretary:* C. A. Ragan, Solar Aircraft Company, San Diego, Calif.
*Assistant Secretary:* Calvin P. Owen, Riley-Nelson Company, San Diego, Calif.
*Treasurer:* C. J. Frandell, Security First National Bank, San Diego, Calif.
*Directors:* The officers and D. B. Acker, Convair Division, General Dynamics Corporation, San Diego, Calif.
Daniel Dwyer, Convair-Astronautics, San Diego, Calif.
T. B. Field, Convair-Astronautics, San Diego, Calif.
William C. Heath, Solar Aircraft Company, San Diego, Calif.

Herbert M. Palmtag, Solar Aircraft Company, San Diego, Calif.
Robert R. Powell, Convair-Astronautics, San Diego, Calif.
George Swanson, Convair, San Diego, Calif.
*Public Relations Chairman:* Edward E. Diltz, Convair-Astronautics, San Diego, Calif.

**Louisiana Post, May 24, 1950**

*President:* J. Stewart Petersen, Day & Zimmermann, Inc. Texarkana, Tex.
*First Vice-President:* Jack W. Marston, Louisiana Ordnance Plant, Shreveport, La.
*Second Vice-President:* F. S. Kelley, Jr., Independent Gas and Oil Producer, Shreveport, La.
*Third Vice-President:* R. T. Buffington, J. B. Beaird Company, Shreveport, La.
*Secretary:* H. D. Honan, Day & Zimmermann, Inc., Lone Star Ordnance Plant, Texarkana, Tex.
*Treasurer:* Ernest A. Merklein, Jr., Merklein and Company, Shreveport, La.
*Directors:* Richard B. Bailey, Louisiana Power & Light Company, West Monroe, La.
Walter E. Caine, Texas Eastern Transmission Corporation, Shreveport, La.
M. A. Finuf, J. B. Beaird Company, Shreveport, La.
John E. Harrison, Lone Star Ordnance Plant, Texarkana, Tex.
W. R. Ignatius, Thiokol Chemical Corporation, Longhorn Ordnance Works, Marshall, Tex.
Ernest A. Merklein, Sr., Merklein and Company, Shreveport, La.
J. G. O'Brien, J. B. Beaird Company, Shreveport, La.
*National Council Representative:* Ernest A. Merklein, Sr., Merklein and Company, Shreveport, La.

**Massachusetts Institute of Technology Post, January 20, 1922**

*President:* Thomas A. Knight, Cambridge, Mass.
*Vice-President:* Kenneth M. Baker, Cambridge, Mass.
*Treasurer:* Karl K. Balbach, Cambridge, Mass.
*Secretary:* Frederick T. Bond, Jr., Ordnance Unit, R.O.T.C. Detachment, Massachusetts Institute of Technology, Cambridge, Mass.
*Faculty Adviser:* Maj. Joseph M. Walters, Jr., Ordnance Corps, R.O.T.C. Ordnance Detachment, Massachusetts Institute of Technology, Cambridge, Mass.

**Michigan Post, December 12, 1942**

*President:* Louis E. Moultane, McLouth Steel Corporation, Detroit, Mich.
*First Vice-President:* Mervyn G. Gaskin, Taylor & Gaskin Inc., Detroit, Mich.
*Second Vice-President:* Joseph A. Anderson, AC Spark Plug Division, General Motors Corporation, Flint, Mich.
*Secretary-Treasurer:* Charles W. Brownell, National Bank of Detroit, 660 Woodward Avenue, R.P. Annex, Box 116, Detroit 32, Mich.
*Directors:* Joseph A. Anderson, AC Spark Plug Division, GMC, Flint, Mich.
William J. Athanson, Jarecki Corporation, Detroit, Mich.
Gordon B. Bonfield, American Box Board Company, Filer City, Mich.
Lester R. Downie, Kelsey-Hayes Company, Detroit, Mich.
John Dykstra, Ford Motor Company, Dearborn, Mich.
Mervyn G. Gaskin, Taylor & Gaskin, Inc., Detroit, Mich.
George M. Holley, Jr., Holley Carburetor Company, Van Dyke, Mich.
Neil C. McMath, Whitehead & Kale Company, River Rouge, Mich.
Irving J. Minett, Chrysler Corporation, Detroit, Mich.
Louis E. Moultane, McLouth Steel Corporation, Detroit, Mich.
E. Howard Perkins, Brooks & Perkins, Inc., Detroit, Mich.
J. Thomas Smith, Detroit Harvester Company, Detroit, Mich.
Henry Tuttle, Michigan Consolidated Gas Company, Detroit, Mich.
F. Russell Valpey, Standard Products Company, Detroit, Mich.
Arthur W. Wild, Continental Aviation & Engineering Corporation, Detroit, Mich.
*National Council Representative:* Del S. Harder, Ford Motor Company, Dearborn, Mich.

**Lansing Chapter, Michigan Post**

*Chairman:* Carl F. Schultz, Motor Wheel Corporation, Lansing, Mich.
*Secretary:* Earle Duke, Oldsmobile Division, GMC, Lansing, Mich.
*Membership Chairman:* Robert Steele, Schultz-Snyder-Steel Lumber Company, Lansing, Mich.
*Directors:* Talbert Abrams, Abrams Aerial Survey, Lansing, Mich.
Barney C. Cox, Melling Forging Company, Lansing, Mich.
Fredrik Marin, Bank of Lansing, Lansing, Mich.
John Tooker, Reo Motors Division, White Motors Company, Lansing, Mich.
Clarence A. Trump, Fisher Body Division, GMC, Lansing, Mich.

**Western Michigan Chapter, Michigan Post**

*Chairman:* Elisha Gray, II, Whirlpool Corporation, St. Joseph, Mich.
*Vice-Chairman:* S. K. Harrington, Kalamazoo Manufacturing Company, Kalamazoo, Mich.
*Secretary:* Britton L. Gordon, Blackmer Pump Company, Grand Rapids, Mich.
*Directors:* Gordon B. Bonfield, American Box Board Company, Grand Rapids, Mich.
A. H. Frauenthal, Kaydon Engineering Corporation, Muskegon, Mich.
Elisha Gray, II, Whirlpool Corporation, St. Joseph, Mich.
Andrew F. Haiduck, Lear, Inc., Grand Rapids, Mich.
S. K. Harrington, Kalamazoo Manufacturing Company, Kalamazoo, Mich.
Don R. Mitchell, Mitchell-Bentley Corporation, Ionia, Mich.

**Mid-Continent Post, December 12, 1944**

*President:* George E. Nicholson, Tulsa, Okla.
*Vice-President:* R. R. King, American Body & Trailer Company, Oklahoma City, Okla.
*Secretary-Treasurer:* C. R. Horton, Horton Engineering Company, 8211 E. Seventh Street, Tulsa, Okla.
*Directors:* Frank Hinderliter, Tulsa, Okla.
George Nicholson, Tulsa, Okla.
Walter O'Bannon, Jr., Walter O'Bannon Company, Tulsa, Okla.
Ed Warmack, Warmack Stove Company, Fort Smith, Ark.
*National Council Representative:* E. J. O'Connor, Oklahoma City, Okla.

**Midwest Post, May 16, 1945**

*President:* Harry Darby, Darby Corporation, Kansas City, Kans.
*Vice-President:* C. M. Standiford, Kansas City, Kans.
*Secretary-Treasurer:* Fred B. Nichols, Kansas City, Mo.
*Directors:* Leroy M. Alexander, Sheffield Steel Corporation, Kansas City, Mo.
Paul Froeschl, Wilde Drop Forge & Tool Company, Kansas City, Mo.
Elmer Pierson, Vendo Company, Kansas City, Mo.
Kenneth Spencer, Spencer Chemical Company, Kansas City, Mo.
*National Council Representative:* Harry Darby, Darby Corporation, Kansas City, Kans.

**Milwaukee Post, September 26, 1928**

*President:* Jacobus Kruyne, Home Savings Bank, Milwaukee, Wis.
*Vice-President:* W. C. Messinger, Chain Belt Company, Milwaukee, Wis.
*Secretary-Treasurer:* Jacobus Kruyne, Home Savings Bank, Milwaukee, Wis. (*acting*)
*Directors:* P. H. Batten, Twin-Disk Clutch Company, Racine, Wis.
Leon R. Clausen, J. I. Case Company, Racine, Wis.
W. W. Coleman, Bucyrus-Erie Company, South Milwaukee, Wis.
J. E. De Long, Waukesha Motors Corporation, Waukesha, Wis.
Frederick D. Hansen, Evans-Hansen, Milwaukee, Wis.
W. C. Heath, A. O. Smith Corporation, Milwaukee, Wis.
H. Stanley Johnson, Jr., Gisholt Machine Company, Madison, Wis.
Herbert V. Kohler, Kohler Company, Kohler, Wis.
W. C. Messinger, Chain Belt Company, Milwaukee, Wis.
W. G. Prasse, Oilgear Company, Milwaukee, Wis.
Robert A. Uihlein, Jos. Schlitz Brewing Company, Milwaukee, Wis.
Pierpont J. E. Wood—Jeffres, Mouat, Oestreich, Wood & Cunningham, Jamesville, Wis.
*National Council Representative:* Jacobus Kruyne, Home Savings Bank, Milwaukee, Wis.

**Nebraska Post, June 22, 1944**

*President:* Dana C. Bradford, Bradford-Kennedy Company, Omaha, Nebr.
*Vice-President:* David Bernstein, Independent Metals Company, Omaha, Nebr.
*Secretary-Treasurer:* Fred G. Arkoosh, Wilkinson Manufacturing Company, P. O. Box 127, Florence Station 12, Omaha, Nebr.
*Directors:* Robert Ammon, Cushman Motor Works, Inc., Lincoln, Nebr.
Clyde B. Dempster, Dempster Mill Manufacturing Company, Beatrice, Nebr.
H. Burr Hughes, Hughes Brothers, Seward, Nebr.
Karl E. Vogel, Omaha Steel Works, Omaha, Nebr.
*National Council Representative:* Fred G. Arkoosh, Wilkinson Manufacturing Company, Omaha, Nebr.

**New Orleans Post, June 1, 1956**

*President:* R. S. Eddy, III, International Lubricant Corporation, New Orleans, La.
*First Vice-President:* T. D. Hoskins, Louisiana Power & Light Company, New Orleans, La.
*Second Vice-President:* Sheridan L. Moyers, Michoud Ordnance Plant, New Orleans, La.
*Secretary:* H. A. Long, Rheem Manufacturing Company, P. O. Box 4027, Carrollton Station, New Orleans 18, La.
*Treasurer:* J. G. Hill, Jr., Whitney National Bank, New Orleans, La.
*Directors:* C. L. Barnard, General Motors Corporation, New Orleans, La.
Willard L. Love, Rheem Manufacturing Company, New Orleans, La.
James K. Rankin, Higgins, Inc., New Orleans, La.
E. W. Stauss, Stauss & Haas, Inc., New Orleans, La.
*National Council Representative:* Willard L. Love, Rheem Manufacturing Company, New Orleans, La.

**New York Post, June 15, 1921**

*President:* Leslie R. Groves, Remington Rand Inc., New York, N. Y.
*Vice-Presidents:* Hartley W. Barclay, *Tide* magazine, New York, N. Y.
Howard E. Isham, United States Steel Corporation, New York, N. Y.
Chester Mueller, attorney at law, Newark, N. J.
A. E. Van Cleve, Republic Industrial Corporation, New York, N. Y.
*Secretary-Treasurer:* Hans G. Jepson, New York Ordnance District, 770 Broadway, New York 3, N. Y.
*Directors:*
Joseph L. Auer, R. Hoe & Co., Inc., New York, N. Y.
John D. Dale, George H. Elliott & Company, New York, N. Y.
Oscar J. Gatchell, American Machine & Foundry Company, New York, N. Y.
Fred R. Lack, Radio Division, Western Electric Company, New York, N. Y.
Henry T. Luria, Luria Steel & Trading Corporation, New York, N. Y.
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**Northwest Post, March 15, 1945**

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**Philadelphia Post, December 9, 1926**

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**Pittsburgh Post, February 24, 1927**

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**Puget Sound Post, January 25, 1944**

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**Quad Cities-Iowa Post, May 28, 1945**

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**Rio Grande Post, November 6, 1952**

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**Rocky Mountain Post, June 10, 1942**

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*National Council Representative:* James D. Maitland, Cobusco Steel Products, Denver, Colo.

**St. Louis Post, January 18, 1927**

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**San Francisco Post, October 17, 1923**

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**Tennessee Valley Post, November 25, 1957**

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A. J. Muller, Army Ballistic Missile Agency, Huntsville, Ala.
Martin Schilling, Army Rocket and Guided Missile Agency, Huntsville, Ala.
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Ralph Swann, Army Rocket and Guided Missile Agency, Huntsville, Ala.
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### Washington Post, November 18, 1925

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AMERICAN ZINC, LEAD AND SMELTING COMPANY . . . . . ST. LOUIS, MO.
AMP INCORPORATED . . . . . HARRISBURG, PA.
AMPEX CORPORATION . . . REDWOOD CITY, CALIF.
ANACONDA WIRE AND CABLE COMPANY, NEW YORK, N.Y.
ANCHOR PACKING COMPANY . . PHILADELPHIA, PA.
ANDERSON COMPANY . . . . . GARY, IND.
ANDERSON WOOD WORKING COMPANY LOUISVILLE, KY.
ANHEUSER-BUSCH, INC. . . . . ST. LOUIS, MO.

# Honor Roll of Industrial Preparedness

ANIMAL TRAP COMPANY OF AMERICA . LITITZ, PA.
ANSTED CORPORATION . . . INDIANAPOLIS, IND.
ARMCO STEEL CORPORATION . . MIDDLETOWN, OHIO
ARMOUR RESEARCH FOUNDATION . . CHICAGO, ILL.
ARMSTRONG CORK COMPANY . . . LANCASTER, PA.
ARNOLD ENGINEERING COMPANY . . MARENGO, ILL.
ART METAL CONSTRUCTION COMPANY . . . . . JAMESTOWN, N.Y.
A.S.R. PRODUCTS CORPORATION . . NEW YORK, N.Y.
ASSOCIATED BOX CORPORATION . NEW CASTLE, PA.
ASSOCIATED ENGINEERS, INC. . . . AGAWAM, MASS.
ASSOCIATED MISSILE PRODUCTS CORPORATION . . . . . POMONA, CALIF.
ASSOCIATED SPRING CORPORATION . BRISTOL, CONN.
ATLANTIC INDIA RUBBER WORKS, INC. . CHICAGO, ILL.
ATLAS DROP FORGE COMPANY . . LANSING, MICH.
ATLAS FOUNDRY COMPANY . . . DETROIT, MICH.
ATLAS POWDER COMPANY . . . WILMINGTON, DEL.
ATWATER MANUFACTURING COMPANY . . . . . PLANTSVILLE, CONN.
AUSTERBERRY'S SONS, J. C. . . . DETROIT, MICH.
AUSTIN POWDER COMPANY . . CLEVELAND, OHIO
AUTO SPECIALTIES MANUFACTURING COMPANY . . . . . ST. JOSEPH, MICH.
AUTOMATIC MACHINE PRODUCTS COMPANY . . . . . ATTLEBORO, MASS.
AUTOMOTIVE FABRICATORS, INC. . . DETROIT, MICH.
AUTOMOTIVE MATERIALS CORPORATION, DETROIT, MICH.
AUTOMOTIVE RUBBER COMPANY . . DETROIT, MICH.
AVCO MANUFACTURING CORPORATION, LYCOMING DIVISION . . . STRATFORD, CONN.

BABCOCK & WILCOX COMPANY, TUBULAR PRODUCTS DIVISION . . . BEAVER FALLS, PA.
BAILEY COMPANY, WILLIAM M. . . PITTSBURGH, PA.
BAKER & COMPANY, HUGH J. . . INDIANAPOLIS, IND.
BAKER, JR., INC., MICHAEL . . . ROCHESTER, PA.
BAKER MANUFACTURING COMPANY . HARTSELLE, ALA.
BAKER OIL TOOLS, INC. . . . LOS ANGELES, CALIF.
BALDT ANCHOR, CHAIN & FORGE DIVISION, BOSTON METALS COMPANY . . . . CHESTER, PA.
BALDWIN-LIMA-HAMILTON CORPORATION . . . . . PHILADELPHIA, PA.
BALDWIN PIANO COMPANY . . CINCINNATI, OHIO
BALTIMORE AND OHIO RAILROAD COMPANY . . . . . BALTIMORE, MD.
BALTIMORE STEEL COMPANY . . . BALTIMORE, MD.
BANK OF THE COMMONWEALTH . . DETROIT, MICH.
BARDEN CORPORATION . . . . DANBURY, CONN.
BARIUM STEEL CORPORATION . . . NEW YORK, N.Y.
BARLOW MANUFACTURING COMPANY AMSTERDAM, N.Y.
BARNES COMPANY, W. F. & JOHN . . ROCKFORD, ILL.
BATH & COMPANY, JOHN . . . WORCESTER, MASS.
BAUER BROTHERS COMPANY . . SPRINGFIELD, OHIO
BAUSCH & LOMB OPTICAL COMPANY . ROCHESTER, N.Y.
BEAD CHAIN MANUFACTURING CO. BRIDGEPORT, CONN.
BEAR MANUFACTURING COMPANY ROCK ISLAND, ILL.
BEARIUM METALS CORPORATION . . ROCHESTER, N.Y.
BEAVER TOOL & ENGINEERING CORPORATION . . . . . GAYLORD, MICH.
BECHTEL CORPORATION . . SAN FRANCISCO, CALIF.
BEECH AIRCRAFT CORPORATION . . WICHITA, KANS.
BEHR-MANNING CORPORATION . . . TROY, N.Y.
BELL AIRCRAFT CORPORATION . . BUFFALO, N.Y.
BELL TELEPHONE COMPANY OF PENNSYLVANIA . . . . . PHILADELPHIA, PA.
BELL TELEPHONE LABORATORIES, INC. NEW YORK, N.Y.
BELMET PRODUCTS, INC. . . . . BROOKLYN, N.Y.
BELOCK INSTRUMENT CORPORATION, COLLEGE POINT, N.Y.
BENDIX AVIATION CORPORATION . . DETROIT, MICH.
BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE COMPANY . . . . . ELYRIA, OHIO
BENSON MANUFACTURING COMPANY KANSAS CITY, MO.
BERKLEY MACHINE WORKS & FOUNDRY COMPANY . . . . . YORK, PA.
BERMITE POWDER COMPANY . . . SAUGUS, CALIF.
BERYLLIUM CORPORATION . . . . READING, PA.
BETHLEHEM STEEL COMPANY . . . BETHLEHEM, PA.
BIRDSBORO STEEL FOUNDRY & MACHINE COMPANY . . . . . BIRDSBORO, PA.
BLACK & DECKER MANUFACTURING CO. . TOWSON, MD.
BLACK-CLAWSON COMPANY . . . HAMILTON, OHIO
BLACK ROCK MANUFACTURING COMPANY . . . . . BRIDGEPORT, CONN.
BLACKMER PUMP COMPANY . GRAND RAPIDS, MICH.
BLACKSTONE CORPORATION . . JAMESTOWN, N.Y.
BLANCHARD MACHINE COMPANY . CAMBRIDGE, MASS.
BLAW-KNOX COMPANY . . . . BLAWNOX, PA.
BLAW-KNOX COMPANY, FOUNDRY & MILL MACHINERY DIVISION . . . . PITTSBURGH, PA.
BLISS COMPANY, E. W. . . . . CANTON, OHIO
BOEHM PRESSED STEEL COMPANY . CLEVELAND, OHIO
BOEING AIRPLANE COMPANY . . . SEATTLE, WASH.
BOHN ALUMINUM & BRASS CORPORATION . . . . . DETROIT, MICH.
BORG CORPORATION, GEO. W. . . . DELAVAN, WIS.
BORG-WARNER CORPORATION . . . . CHICAGO, ILL.
BOSTITCH, INC. . . . . WESTERLY, R.I.
BOUND BROOK OIL-LESS BEARING COMPANY . . . . . BOUND BROOK, N.J.
BOWEN-MCLAUGHLIN-YORK, INC. . . PHOENIX, ARIZ.
BOWSER, INC. . . . . FORT WAYNE, IND.
BRAD FOOTE GEAR WORKS, INC. . . . CICERO, ILL.
BRADEN STEEL CORPORATION . . . . TULSA, OKLA.
BRATTON TOOL & DIE COMPANY . . DETROIT, MICH.
BRIDGEPORT BRASS COMPANY . . BRIDGEPORT, CONN.
BRIGGS & STRATTON CORPORATION MILWAUKEE, WIS.
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BROOKS & PERKINS, INC. . . . . DETROIT, MICH.
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BROWN & ROOT, INC. . . . . HOUSTON, TEX.
BROWN COMPANY . . . . . BOSTON, MASS.
BROWN ENGINEERING COMPANY . HUNTSVILLE, ALA.
BROWN-LIPE-CHAPIN DIVISION, GMC . SYRACUSE, N.Y.
BRYANT & DETWILER COMPANY . . DETROIT, MICH.
BUCHANAN STEEL PRODUCTS CORPORATION . . . . . BUCHANAN, MICH.
BUCHMANN SPARK WHEEL CORPORATION . . . . LONG ISLAND CITY, N.Y.

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BUDD COMPANY . . . . . PHILADELPHIA, PA.
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BULLDOG ELECTRIC PRODUCTS CO. . DETROIT, MICH.
BULOVA RESEARCH AND DEVELOPMENT LABORATORIES, INC. . . . . WOODSIDE, N.Y.
BULOVA WATCH COMPANY . . . NEW YORK, N.Y.
BUNDY TUBING COMPANY . . . . DETROIT, MICH.
BURGESS-NORTON MFG. COMPANY . . GENEVA, ILL.
BURKE COMPANY, O. W. . . . . DETROIT, MICH.
BURNDY CORPORATION . . . NORWALK, CONN.
BURROUGHS CORPORATION . . . DETROIT, MICH.
BUSCHMAN COMPANY, E. W. . . CINCINNATI, OHIO
BYERS COMPANY, A. M. . . . . PITTSBURGH, PA.

C & H SUPPLY COMPANY . . . INGLEWOOD, CALIF.
C & J COMMERCIAL DRIVEAWAY, INC. LANSING, MICH.
CABOT SHOPS, INC. . . . . PAMPA, TEX.
CADILLAC GAGE COMPANY . . . . DETROIT, MICH.
CADILLAC MALLEABLE IRON COMPANY, CADILLAC, MICH.
CADILLAC MOTOR CAR DIVISION, GMC DETROIT, MICH.
CADILLAC MOTOR CAR DIVISION, GMC, CLEVELAND ORDNANCE PLANT . CLEVELAND, OHIO
CAMERON IRON WORKS, INC. . . . HOUSTON, TEX.
CAMLOC FASTENER CORPORATION . PARAMUS, N.J.
CAMPBELL CHAIN COMPANY . . . . . YORK, PA.
CAMPBELL-EWALD COMPANY . . . DETROIT, MICH.
CAMPBELL, WYANT & CANNON FOUNDRY COMPANY . . . . . MUSKEGON, MICH.
CARBORUNDUM COMPANY . . NIAGARA FALLS, N.Y.
CARRIER CORPORATION . . . . SYRACUSE, N.Y.
CARTER CARBURETOR, DIVISION OF ACF INDUSTRIES INCORPORATED . . . . . ST. LOUIS, MO.
CASCADE CARTRIDGE, INCORPORATED LEWISTON, IDAHO
CASCO PRODUCTS CORPORATION . BRIDGEPORT, CONN.
CASE COMPANY, J. I. . . . . RACINE, WIS.
CATAWISSA VALVE & FITTINGS COMPANY, CATAWISSA, PA.
CATERPILLAR TRACTOR CO. . . . . PEORIA, ILL.
CELANESE CORPORATION OF AMERICA NEW YORK, N.Y.
CENTRAL CAN COMPANY . . . . . CHICAGO, ILL.
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CENTRAL FOUNDRY DIVISION, GMC . SAGINAW, MICH.
CENTRAL OHIO PAPER COMPANY . . COLUMBUS, OHIO
CENTURY ENGINEERING CORP. . CEDAR RAPIDS, IOWA
CHAIN BELT COMPANY . . . . MILWAUKEE, WIS.
CHAIN BELT COMPANY, SHAFER BEARING DIVISION . . . . . DOWNERS GROVE, ILL.
CHAMBERLAIN CORPORATION . . WATERLOO, IOWA
CHAMBERSBURG ENGINEERING COMPANY . . . . . CHAMBERSBURG, PA.
CHAMPION SPARK PLUG COMPANY . . TOLEDO, OHIO
CHANCE COMPANY, A. B. . . . . CENTRALIA, MO.
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CHEMICAL CONSTRUCTION CORPORATION . . . . . NEW YORK, N.Y.
CHEVROLET MOTOR DIVISION, GMC . DETROIT, MICH.
CHICAGO EXTRUDED METALS COMPANY . CICERO, ILL.
CHICAGO FORGING AND MANUFACTURING COMPANY . . . . . CHICAGO, ILL.
CHICAGO RAILWAY EQUIPMENT COMPANY, CHICAGO, ILL.
CHICAGO RAWHIDE MANUFACTURING COMPANY . . . . . CHICAGO, ILL.
CHIKSAN COMPANY . . . . . BREA, CALIF.
CHROMCRAFT CORPORATION . . . ST. LOUIS, MO.
CHRYSLER CORPORATION . . . . DETROIT, MICH.
CHRYSLER MOTOR PARTS CORPORATION . . . . . DETROIT, MICH.
CHRYSLER SALES CORPORATION . . DETROIT, MICH.
CINCINNATI LATHE & TOOL COMPANY, CINCINNATI, OHIO
CINCINNATI MILLING MACHINE COMPANY . . . . . CINCINNATI, OHIO
CITIZENS MORTGAGE CORPORATION . DETROIT, MICH.
CLARE & COMPANY, C. P. . . . . CHICAGO, ILL.
CLARK BROTHERS COMPANY . . . . OLEAN, N.Y.
CLARK EQUIPMENT COMPANY . . BUCHANAN, MICH.
CLARK GRAVE VAULT COMPANY . . COLUMBUS, OHIO
CLARY CORPORATION . . . . SAN GABRIEL, CALIF.
CLEVELAND CONTAINER COMPANY CLEVELAND, OHIO
CLEVELAND DIESEL ENGINE DIVISION, GMC . . . . . CLEVELAND, OHIO
CLEVELAND ELECTRIC ILLUMINATING COMPANY . . . . . CLEVELAND, OHIO
CLEVELAND PNEUMATIC TOOL COMPANY . . . . . CLEVELAND, OHIO
CLEVELAND TWIST DRILL COMPANY CLEVELAND, OHIO
CLEVITE CORPORATION . . . CLEVELAND, OHIO
CLIFFORD MANUFACTURING COMPANY, DIVISION OF STANDARD-THOMSON CORPORATION WALTHAM, MASS.
CLIMAX MOLYBDENUM COMPANY . . NEW YORK, N.Y.
CLINE ELECTRIC MANUFACTURING CO. . CHICAGO, ILL.
CLOVER MANUFACTURING COMPANY NORWALK, CONN.
COBUSCO STEEL PRODUCTS . . . DENVER, COLO.
COCA-COLA COMPANY . . . . . ATLANTA, GA.
COLLINS RADIO COMPANY . . . CEDAR RAPIDS, IOWA
COLMAN & SONS, INC., FREDERICK . DETROIT, MICH.
COLORADO FUEL & IRON CORPORATION DENVER, COLO.
COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY . . . . . HARTFORD, CONN.
COLUMBUS BOLT & FORGING CO. . . COLUMBUS, OHIO
COMBUSTION ENGINEERING, INC. . . NEW YORK, N.Y.
COMPOSITE FORGINGS, INC. . . . DETROIT, MICH.
CONDAMATIC COMPANY . . . HAZEL PARK, MICH.
CONE AUTOMATIC MACHINE COMPANY . WINDSOR, VT.
CONSOLIDATED DIESEL ELECTRIC CORPORATION . . . . . STAMFORD, CONN.
CONSOLIDATED NATURAL GAS COMPANY . . . . . NEW YORK, N.Y.
CONSOLIDATED WESTERN STEEL DIVISION, UNITED STATES STEEL CORP. . LOS ANGELES, CALIF.
CONTINENTAL AVIATION & ENGINEERING CORPORATION . . . . . DETROIT, MICH.
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CONTINENTAL ELECTRONICS MANUFACTURING COMPANY . . . . . DALLAS, TEX.

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COOK ELECTRIC COMPANY . . . . . CHICAGO, ILL.
COOK PAINT & VARNISH COMPANY . DETROIT, MICH.
COOPER ALLOY CORPORATION . . HILLSIDE, N.J.
COPPERWELD STEEL COMPANY . . PITTSBURGH, PA.
COPPERWELD STEEL COMPANY . . WARREN, OHIO
CORNELL AERONAUTICAL LABORATORY, INC. . . . . BUFFALO, N.Y.
CORNELL-DUBILIER ELECTRIC CORPORATION . . . SOUTH PLAINFIELD, N.J.
CORNING GLASS WORKS . . . . . CORNING, N.Y.
COUCH ORDNANCE, INC. . . NORTH QUINCY, MASS.
CRAFT MANUFACTURING COMPANY . . CHICAGO, ILL.
CRANE COMPANY . . . . . CHICAGO, ILL.
CRIBBEN AND SEXTON COMPANY . . . CHICAGO, ILL.
CROSS COMPANY . . . . . DETROIT, MICH.
CROWN CORK & SEAL COMPANY . . BALTIMORE, MD.
CRUCIBLE STEEL COMPANY OF AMERICA . . . . . PITTSBURGH, PA.
C. T. L. INC. . . . . CINCINNATI, OHIO
CUBIC CORPORATION . . . . . SAN DIEGO, CALIF.
CULLMAN WHEEL COMPANY . . . . CHICAGO, ILL.
CUNNINGHAM-LIMP COMPANY . . DETROIT, MICH.
CURTISS-WRIGHT CORPORATION . WOOD-RIDGE, N.J.
CUSHMAN MOTOR WORKS . . . . LINCOLN, NEBR.
CUTLER-HAMMER, INC. . . . MILWAUKEE, WIS.
CUYAHOGA STEEL & WIRE COMPANY CLEVELAND, OHIO

DAHLSTROM METALLIC DOOR COMPANY . . . . . JAMESTOWN, N.Y.
DALTON FOUNDRIES, INC. . . . . WARSAW, IND.
DANA CORPORATION . . . . . TOLEDO, OHIO
DANLY MACHINE SPECIALTIES, INC. . . CHICAGO, ILL.
DARBY CORPORATION . . . . KANSAS CITY, KANS.
DARBYSHIRE STEEL COMPANY . . . EL PASO, TEX.
DARIN & ARMSTRONG, INC. . . . DETROIT, MICH.
DARLING VALVE & MANUFACTURING COMPANY . . . . . WILLIAMSPORT, PA.
DAVISON CHEMICAL COMPANY, DIVISION OF W. R. GRACE & COMPANY . . . BALTIMORE, MD.
DAY & ZIMMERMANN, INC. . . PHILADELPHIA, PA.
DAYSTROM, INCORPORATED . . MURRAY HILL, N.J.
DAYTON MALLEABLE IRON COMPANY . DAYTON, OHIO
DEARBORN GAGE COMPANY . . DEARBORN, MICH.
DEARBORN MACHINERY MOVERS CO. NEW ORLEANS, LA.
DECKER CORPORATION . . . PHILADELPHIA, PA.
DEERE & COMPANY . . . . . MOLINE, ILL.
DELCO APPLIANCE DIVISION, GMC . ROCHESTER, N.Y.
DELCO PRODUCTS DIVISION, GMC . . DAYTON, OHIO
DELCO RADIO DIVISION, GMC . . . KOKOMO, IND.
DELCO-REMY DIVISION, GMC . . . ANDERSON, IND.
DELTA TANK MANUFACTURING COMPANY, INC. . . . . BATON ROUGE, LA.
DELTA WELDER CORPORATION . . DETROIT, MICH.
DE LUXE DIE WORKS, INC. . . . DETROIT, MICH.
DE SANNO AND SON, INC., A. P. . PHOENIXVILLE, PA.
DE SOTO MOTOR CORPORATION . . DETROIT, MICH.
DETREX CHEMICAL INDUSTRIES, INC. . . . . DETROIT, MICH.
DETROIT ALUMINUM AND BRASS CORP. DETROIT, MICH.
DETROIT BALL BEARING COMPANY OF MICHIGAN . . . . . DETROIT, MICH.
DETROIT BANK & TRUST COMPANY . DETROIT, MICH.
DETROIT BOLT AND NUT COMPANY . DETROIT, MICH.
DETROIT BRASS & MALLEABLE CO. . DETROIT, MICH.
DETROIT CONTROLS CORPORATION . DETROIT, MICH.
DETROIT DIESEL ENGINE DIVISION, GMC, DETROIT, MICH.
DETROIT EDISON COMPANY . . . DETROIT, MICH.
DETROIT ENGINEERING & MACHINE CO., DETROIT, MICH.
DETROIT GASKET & MANUFACTURING COMPANY . . . . . DETROIT, MICH.
DETROIT HARVESTER COMPANY . . DETROIT, MICH.
DETROIT INSURANCE AGENCY . . . DETROIT, MICH.
DETROIT STAMPING COMPANY . . . DETROIT, MICH.
DETROIT STEEL CORPORATION . . DETROIT, MICH.
DETROIT TRANSMISSION DIVISION, GMC . . . . . WILLOW RUN, MICH.
DEVLIEG MACHINE COMPANY . . FERNDALE, MICH.
DIAMOND T MOTOR TRUCK COMPANY . . CHICAGO, ILL.
DIAMONITE PRODUCTS MANUFACTURING COMPANY, DIVISION OF U. S. CERAMIC TILE COMPANY . . . . . CANTON, OHIO
DICTAPHONE CORPORATION . . BRIDGEPORT, CONN.
DIESEL EQUIPMENT DIVISION, GMC, GRAND RAPIDS, MICH.
DIVCO TRUCK DIVISION, DIVCO-WAYNE CORPORATION . . . . . DETROIT, MICH.
DIXIE CUP COMPANY . . . . . EASTON, PA.
DOALL COMPANY . . . . . DES PLAINES, ILL.
DODGE BROTHERS CORPORATION . . DETROIT, MICH.
DOUGLAS AIRCRAFT CO., INC. . SANTA MONICA, CALIF.
DOUGLAS & LOMASON COMPANY . . DETROIT, MICH.
DRAVO CORPORATION . . . . . PITTSBURGH, PA.
DUAL-MOTORS CORPORATION . . . DETROIT, MICH.
DUKANE CORPORATION . . . ST. CHARLES, ILL.
DU PONT DE NEMOURS & COMPANY, E. I., NITROCELLULOSE & SPORTING POWDER DIVISION . . . . WILMINGTON, DEL.
DURHAM MANUFACTURING CORPORATION, MUNCIE, IND.
DURIRON COMPANY . . . . . DAYTON, OHIO

EAGLE-PICHER COMPANY . . . CINCINNATI, OHIO
EAGLE TOOL & MACHINE COMPANY SPRINGFIELD, OHIO
EASTERN STAINLESS STEEL CORPORATION . . . . . BALTIMORE, MD.
EASTERN TOOL & MANUFACTURING COMPANY . . . . . BELLEVILLE, N.J.
EASTMAN KODAK COMPANY . . . ROCHESTER, N.Y.
EATON MANUFACTURING COMPANY CLEVELAND, OHIO
ECCLESTONE & SONS, INC., S. P. . . DETROIT, MICH.
ECLIPSE COUNTERBORE COMPANY . DETROIT, MICH.
EDGEWATER STEEL COMPANY . . . PITTSBURGH, PA.
EDNALITE OPTICAL COMPANY . . . PEEKSKILL, N.Y.
E-I-M COMPANY . . . . . HOUSTON, TEX.
EISEN BROTHERS, INC. . . . HOBOKEN, N.J.
EKCO PRODUCTS COMPANY . . . CHICAGO, ILL.
ELASTIC STOP NUT CORPORATION OF AMERICA . . . . . UNION, N.J.

# Honor Roll of Industrial Preparedness

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ELECTRIC AUTO-LITE COMPANY . . . TOLEDO, OHIO
ELECTRIC FURNACE COMPANY . . . SALEM, OHIO
ELECTRIC STORAGE BATTERY COMPANY . . . . . PHILADELPHIA, PA.
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ELECTRO-MECHANICAL PRODUCTS COMPANY . . . . . GARDEN CITY, MICH.
ELECTRO-MOTIVE DIVISION, GMC . . LAGRANGE, ILL.
ELECTRO REFRACTORIES & ABRASIVES CORPORATION . . . . . BUFFALO, N.Y.
ELECTRO TEC CORPORATION SOUTH HACKENSACK, N.J.
ELECTRONICS CORPORATION OF AMERICA . . . . . CAMBRIDGE, MASS.
ELGIN NATIONAL WATCH COMPANY . . ELGIN, ILL.
ELLIOTT COMPANY . . . . . JEANNETTE, PA.
ELLWOOD CITY FORGE COMPANY . ELLWOOD CITY, PA.
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EMERSON RADIO & PHONOGRAPH CORPORATION . . . . . JERSEY CITY, N.J.
EMHART MANUFACTURING COMPANY HARTFORD, CONN.
ENGELHARD INDUSTRIES . . . . NEWARK, N.J.
ENGINEERING SERVICE INC. OF AMERICA . . . . . DETROIT, MICH.
ENGIS EQUIPMENT COMPANY . . . CHICAGO, ILL.
ENGLANDER COMPANY . . . . BIRMINGHAM, ALA.
ENTERPRISE MACHINE PARTS CORPORATION . . . . . DETROIT, MICH.
ENTERPRISE MANUFACTURING COMPANY . AKRON, OHIO
ERCO DIVISION, ACF INDUSTRIES, INCORPORATED . . . . . RIVERDALE, MD.
ERIE FORGE & STEEL CORPORATION . . . ERIE, PA.
ERIE FOUNDRY COMPANY . . . . . ERIE, PA.
ESSEX BRASS CORPORATION . . . DETROIT, MICH.
ESSO RESEARCH & ENGINEERING COMPANY . . . . . LINDEN, N.J.
ESSO STANDARD OIL COMPANY . . NEW YORK, N.Y.
EUCLID DIVISION, GMC . . . CLEVELAND, OHIO
EUREKA WILLIAMS CORPORATION BLOOMINGTON, ILL.
EVANS RESEARCH AND DEVELOPMENT CORPORATION . . . . . NEW YORK, N.Y.
EVANS' SONS, INC., JOHN . . . PHILADELPHIA, PA.
EXACT WEIGHT SCALE COMPANY . . COLUMBUS, OHIO
EX-CELL-O CORPORATION . . . . DETROIT, MICH.
EXPERIMENT INCORPORATED . . . RICHMOND, VA.

FABRICAST DIVISION, GMC . . . BEDFORD, IND.
FABRICON PRODUCTS, A DIVISION OF EAGLE-PICHER COMPANY . . RIVER ROUGE, MICH.
FAFNIR BEARING COMPANY . . NEW BRITAIN, CONN.
FAIRBANKS COMPANY . . . . . NEW YORK, N.Y.
FAIRBANKS, MORSE & COMPANY . . . CHICAGO, ILL.
FAIRCHILD ENGINE AND AIRPLANE CORPORATION . . . . . HAGERSTOWN, MD.
FALK CORPORATION . . . . MILWAUKEE, WIS.
FALSTROM COMPANY . . . . . PASSAIC, N.J.
FARBER, INC., S. W. . . . . NEW YORK, N.Y.
FARGO MOTOR CORPORATION . . . DETROIT, MICH.
FARRAND OPTICAL COMPANY . . . NEW YORK, N.Y.
FARREL-BIRMINGHAM COMPANY . . ANSONIA, CONN.
FASCO INDUSTRIES, INC. . . . . ROCHESTER, N.Y.
FAYSCOTT CORPORATION . . . . DEXTER, MAINE
FECKER, INC., J. W. . . . . PITTSBURGH, PA.
FEDERAL LABORATORIES, INC. . . SALTSBURG, PA.
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FEDERAL PACIFIC ELECTRIC COMPANY . NEWARK, N.J.
FEDERAL TELECOMMUNICATIONS LABORATORIES, DIVISION OF INTERNATIONAL TELEPHONE AND TELEGRAPH CORP. . . . . NUTLEY, N.J.
FEDERAL TELECOMMUNICATION LABORATORIES, DIVISION OF INTERNATIONAL TELEPHONE AND TELEGRAPH CORP. . . . SAN FERNANDO, CALIF.
FEDERAL TELEPHONE AND RADIO COMPANY, DIVISION OF INTERNATIONAL TELEPHONE AND TELEGRAPH CORP. . . . . CLIFTON, N.J.
FELLOWS GEAR SHAPER COMPANY . SPRINGFIELD, VT.
FENESTRA, INCORPORATED . . . DETROIT, MICH.
FENWAL INCORPORATED . . . . ASHLAND, MASS.
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FIDELITY TRUST COMPANY . . . PITTSBURGH, PA.
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GENERAL MOTORS CORPORATION . . DETROIT, MICH.
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GIANNINI & COMPANY, G. M. . . PASADENA, CALIF.
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GIDDINGS & LEWIS MACHINE TOOL COMPANY . . . . . FOND DU LAC, WIS.
GIFFELS & VALLET, INC. . . . . DETROIT, MICH.
GILBERT & BARKER MANUFACTURING COMPANY . . . . WEST SPRINGFIELD, MASS.
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GOODYEAR AIRCRAFT CORPORATION . . AKRON, OHIO
GOODYEAR TIRE & RUBBER COMPANY . AKRON, OHIO
GOODYEAR TIRE & RUBBER COMPANY . . . . . LOS ANGELES, CALIF.
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HOBART MANUFACTURING COMPANY . . TROY, OHIO
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HOLLEY CARBURETOR COMPANY . . WARREN, MICH.
HOLMAN & COMPANY . . . . CINCINNATI, OHIO
HOLO-KROME SCREW CORPORATION . ELMWOOD, CONN.
HOOVER COMPANY . . . . NORTH CANTON, OHIO
HOPKINS ENGINEERING COMPANY, SAN FERNANDO, CALIF.
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HOUDAILLE INDUSTRIES, INC., DETROIT DIVISION . . . . . DETROIT, MICH.
HOUGH COMPANY, FRANK G. . . LIBERTYVILLE, ILL.
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HUGHES TOOL COMPANY . . . . HOUSTON, TEX.
HUGHES TOOL COMPANY, AIRCRAFT DIVISION . . . . CULVER CITY, CALIF.
HUNTER DOUGLAS ALUMINUM CORPORATION . . . . . RIVERSIDE, CALIF.
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HUPP CORPORATION . . . . CLEVELAND, OHIO
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LAVELLE AIRCRAFT CORPORATION . NEWTOWN, PA.
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LEE RUBBER & TIRE COMPANY . CONSHOHOCKEN, PA.
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LOFSTRAND COMPANY . . . . . ROCKVILLE, MD.
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NATIONAL BROACH & MACHINE CO. . DETROIT, MICH.
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NATIONAL MACHINE PRODUCTS CO. . . UTICA, MICH.
NATIONAL MALLEABLE & STEEL CASTINGS COMPANY . . . . . CLEVELAND, OHIO
NATIONAL PRESTO INDUSTRIES . . EAU CLAIRE, WIS.
NATIONAL REJECTORS, INC. . . . ST. LOUIS, MO.
NATIONAL SCREW & MANUFACTURING COMPANY . . . . . CLEVELAND, OHIO
NATIONAL SUPPLY COMPANY . . . PITTSBURGH, PA.
NATIONAL TOOL SALVAGE COMPANY . DETROIT, MICH.
NATIONAL TUBE DIVISION, UNITED STATES STEEL CORPORATION . . . . PITTSBURGH, PA.
NATIONAL TWIST DRILL & TOOL CO. ROCHESTER, MICH.
NATIONAL-U. S. RADIATOR CORPORATION . . . . . JOHNSTOWN, PA.
NATIONAL VENDORS, INC. . . . . ST. LOUIS, MO.

NEAPCO PRODUCTS, INC. . . . . POTTSTOWN, PA.
NEVILLE CHEMICAL COMPANY . . PITTSBURGH, PA.
NEW BRITIAN MACHINE COMPANY NEW BRITIAN, CONN.
NEW DEPARTURE DIVISION, GMC . . BRISTOL, CONN.
NEW HAMPSHIRE BALL BEARINGS, INC. . . . . PETERBOROUGH, N.H.
NEW PROCESS GEAR DIVISION, CHRYSLER CORPORATION . . . . . SYRACUSE, N.Y.
NEW YORK AIR BRAKE COMPANY . . NEW YORK, N.Y.
NEWARK STOVE COMPANY . . . NEWARK, OHIO
NIAGARA BLOWER COMPANY . . . NEW YORK, N.Y.
NORDBERG MANUFACTURING CO. . MILWAUKEE, WIS.
NORDEN-KETAY CORPORATION . STAMFORD, CONN.
NORMA-HOFFMANN BEARINGS CORP. STAMFORD, CONN.
NORQUIST PRODUCTS, INC. . . JAMESTOWN, N.Y.
NORRIS-THERMADOR CORPORATION, LOS ANGELES, CALIF.
NORTH AMERICAN AVIATION, INC., LOS ANGELES, CALIF.
NORTHERN ORDNANCE, INCORPORATED . . . . . MINNEAPOLIS, MINN.
NORTHWEST AUTOMATIC PRODUCTS CORPORATION . . . . . MINNEAPOLIS, MINN.
NORTH-WEST DESIGNING SERVICE, INC., DETROIT, MICH.
NORTON COMPANY . . . . . WORCESTER, MASS.
NORTRONICS, A DIVISION OF NORTHROP AIRCRAFT, INC. . . . . ANAHEIM, CALIF.

OAKITE PRODUCTS, INC. . . . . NEW YORK, N.Y.
OHIO RUBBER COMPANY . . . WILLOUGHBY, OHIO
OHIO STEEL FOUNDRY COMPANY . . . LIMA, OHIO
OILGEAR COMPANY . . . . MILWAUKEE, WIS.
O'KEEFE & MERRITT COMPANY . LOS ANGELES, CALIF.
OLDSMOBILE DIVISION, GMC . . . LANSING, MICH.
OLIN MATHIESON CHEMICAL CORP. . BALTIMORE, MD.
OLIN MATHIESON CHEMICAL CORPORATION, EXPLOSIVES DIVISION . . . . EAST ALTON, ILL.
OLIVER CORPORATION . . . . . CHICAGO, ILL.
OLOFSSON CORPORATION . . . . LANSING, MICH.
ONONDAGA POTTERY COMPANY . . SYRACUSE, N.Y.
OPTICAL GAGING PRODUCTS, INC. . . ROCHESTER, N.Y.
OSTER MANUFACTURING COMPANY, JOHN, AVIONICS DIVISION . . . . RACINE, WIS.
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PACIFIC GAS AND ELECTRIC COMPANY . . . . . SAN FRANCISCO, CALIF.
PACKARD BELL ELECTRONICS CORP. LOS ANGELES, CALIF.
PACKARD ELECTRIC DIVISION, GMC . WARREN, OHIO
PAGE AIRWAYS, INC. . . . . ROCHESTER, N.Y.
PANTEX MANUFACTURING CORPORATION . . . . . PAWTUCKET, R.I.
PARISH PRESSED STEEL, DIVISION OF DANA CORPORATION . . . . . READING, PA.
PARKER-HANNIFIN COMPANY . . CLEVELAND, OHIO
PARKER PEN COMPANY . . . . JANESVILLE, WIS.
PARKER RUST PROOF COMPANY . . DETROIT, MICH.

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PENNSALT CHEMICALS CORP. . . PHILADELPHIA, PA.
PEOPLES FIRST NATIONAL BANK & TRUST COMPANY . . . . . PITTSBURGH, PA.
PERFECTION STEEL BODY COMPANY . . GALION, OHIO
PERFEX CORPORATION . . . MILWAUKEE, WIS.
PERMATEX COMPANY . . . . . BROOKLYN, N.Y.
PHELPS DODGE COPPER PRODUCTS CORPORATION . . . . . NEW YORK, N.Y.
PHILCO CORPORATION . . . . PHILADELPHIA, PA.
PHILLIPS PETROLEUM COMPANY, ROCKET FUELS DIVISION . . . . . BARTLESVILLE, OKLA.
PHOENIX BRIDGE COMPANY . . PHOENIXVILLE, PA.
PICKANDS MATHER & COMPANY . CLEVELAND, OHIO
PIONEER-CENTRAL DIVISION, BENDIX AVIATION CORPORATION . . . . . DAVENPORT, IOWA
PITNEY-BOWES, INC. . . . . STAMFORD, CONN.
PITTSBURGH COKE & CHEMICAL CO. . PITTSBURGH, PA.
PITTSBURGH CONSOLIDATION COAL COMPANY . . . . . PITTSBURGH, PA.
PITTSBURGH FORGINGS COMPANY . . CORAOPOLIS, PA.
PITTSBURGH PIPING & EQUIPMENT COMPANY . . . . . PITTSBURGH, PA.
PITTSBURGH PLATE GLASS COMPANY . PITTSBURGH, PA.
PITTSBURGH STEEL COMPANY . . . PITTSBURGH, PA.
PITTSBURGH STEEL FOUNDRY CORP. . PITTSBURGH, PA.
PITTSBURGH TUBE COMPANY . . . PITTSBURGH, PA.
PLUME & ATWOOD MANUFACTURING COMPANY . . . . . THOMASTON, CONN.
PLYMOUTH MOTOR CORPORATION . DETROIT, MICH.
PONTIAC MOTOR DIVISION, GMC . . PONTIAC, MICH.
PORCELAIN METALS CORPORATION . LOUISVILLE, KY.
PORTLAND FORGE & FOUNDRY CO. . PORTLAND, IND.
PRATT & WHITNEY COMPANY, INC. . . . . WEST HARTFORD, CONN.
PROCTER & GAMBLE COMPANY . CINCINNATI, OHIO
PROSPERITY COMPANY, DIVISION OF WARD INDUSTRIES CORPORATION . . . SYRACUSE, N.Y.
PULLMAN-STANDARD CAR MANUFACTURING COMPANY . . . . . CHICAGO, ILL.

RADIATION, INC. . . . . MELBOURNE, FLA.
RADIO CORPORATION OF AMERICA, DEFENSE ELECTRONIC PRODUCTS . . . . . CAMDEN, N.J.
RAILWAY SPECIALTIES CORPORATION . BRISTOL, PA.
RAMO-WOOLDRIDGE CORPORATION, LOS ANGELES, CALIF.
RANDALL COMPANY, FRED M. . . . DETROIT, MICH.
RAYTHEON MANUFACTURING COMPANY . . . . . WALTHAM, MASS.
REACTION MOTORS, INC. . . . . DENVILLE, N.J.
READING COMPANY . . . . PHILADELPHIA, PA.
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REED INSTRUMENT BEARING COMPANY . . . . . LOS ANGELES, CALIF.
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REO MOTORS, INC. . . . . LANSING, MICH.
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REPUBLIC STEEL CORPORATION . CLEVELAND, OHIO
REVERE COPPER & BRASS, INC. . . NEW YORK, N.Y.
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REYNOLDS INDUSTRIES, INC. . SANTA MONICA, CALIF.
REYNOLDS METALS COMPANY . . . LOUISVILLE, KY.
REYNOLDS METALS COMPANY . . . RICHMOND, VA.
RHEEM MANUFACTURING COMPANY, AIRCRAFT DIVISION . . . . . DOWNEY, CALIF.
RICHARDS-WILCOX MANUFACTURING COMPANY . . . . . AURORA, ILL.
RICHFIELD OIL CORPORATION . . LOS ANGELES, CALIF.
RING SCREW WORKS . . . . VAN DYKE, MICH.
RIVERSIDE FOUNDRY, INC. . . BETTENDORF, IOWA
RIZZO BROTHERS ENGINEERING AND MANUFACTURING COMPANY . . DETROIT, MICH.
ROBERTSHAW-FULTON CONTROLS COMPANY . . . . . RICHMOND, VA.
ROBERTSON COMPANY, H. H. . . . PITTSBURGH, PA.
ROBINSON CLAY PRODUCTS COMPANY . AKRON, OHIO
ROCHESTER PRODUCTS DIVISION, GMC, ROCHESTER, N.Y.
ROCKWELL MANUFACTURING COMPANY . . . . . PITTSBURGH, PA.
ROCKWOOD SPRINKLER COMPANY WORCESTER, MASS.
ROHM & HAAS COMPANY . . . PHILADELPHIA, PA.
ROHR AIRCRAFT CORPORATION . CHULA VISTA, CALIF.
RONSON CORPORATION . . . . NEWARK, N.J.
ROPER INDUSTRIES, INC. . . . . ROCKFORD, ILL.
ROSS GEAR AND TOOL COMPANY . . LAFAYETTE, IND.
ROSS-MEEHAN FOUNDRIES . CHATTANOOGA, TENN.
ROY, INC., ROSS . . . . . DETROIT, MICH.
ROYAL MCBEE CORPORATION . . HARTFORD, CONN.
RUDEL MACHINERY COMPANY . . . NEW YORK, N.Y.
RUDISILL FOUNDRY COMPANY . . ANNISTON, ALA.
RUST ENGINEERING COMPANY . . . PITTSBURGH, PA.
RUST-OLEUM CORPORATION . . . EVANSTON, ILL.
RYERSON & HAYNES, INC. . . . . JACKSON, MICH.

SACO-LOWELL SHOPS . . . . . BOSTON, MASS.
SAGINAW STEERING GEAR DIVISION, GMC . . . . . SAGINAW, MICH.
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SALES & COMPANY, MURRAY W. . . DETROIT, MICH.
SANDERSON & PORTER . . . . NEW YORK, N.Y.
SANDIA CORPORATION . . . ALBUQUERQUE, N. MEX.
SANDPAPER, INCORPORATED . . ROCKLAND, MASS.
SANDY HILL IRON & BRASS WORKS . . . . . HUDSON FALLS, N.Y.
SANGAMO ELECTRIC COMPANY . SPRINGFIELD, ILL.
SAVAGE ARMS CORPORATION . CHICOPEE FALLS, MASS.
SAWHILL TUBULAR PRODUCTS, INC. . . SHARON, PA.
SCAIFE COMPANY . . . . . OAKMONT, PA.
SCHLAGE LOCK COMPANY . . SAN FRANCISCO, CALIF.
SCHLITZ BREWING COMPANY, JOSEPH, MILWAUKEE, WIS.
SCHLUETER MANUFACTURING COMPANY, ST. LOUIS, MO.
SCHWITZER CORPORATION . . INDIANAPOLIS, IND.

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SCULLIN STEEL COMPANY . . . . ST. LOUIS, MO.
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SEIBERLING RUBBER COMPANY . . . AKRON, OHIO
SEXTON CAN COMPANY . . . . EVERETT, MASS.
SHARON STEEL CORPORATION . . . . SHARON, PA.
SHEAFFER PEN COMPANY, W. A. FORT MADISON, IOWA
SHEFFIELD CORPORATION, SUBSIDIARY OF BENDIX AVIATION CORPORATION . . . DAYTON, OHIO
SHEFFIELD STEEL DIVISION, ARMCO STEEL CORPORATION . . . KANSAS CITY, MO.
SHELL OIL COMPANY . . . . . NEW YORK, N.Y.
SHELLER MANUFACTURING CORPORATION . . . . . DETROIT, MICH.
SHERWIN-WILLIAMS COMPANY . CLEVELAND, OHIO
SIERRA ENGINEERING COMPANY SIERRA MADRE, CALIF.
SIMMONDS AEROCESSORIES, INC. . TARRYTOWN, N.Y.
SIMMONS COMPANY . . . . . NEW YORK, N.Y.
SIMONDS SAW AND STEEL COMPANY FITCHBURG, MASS.
SINGER MANUFACTURING COMPANY, ELIZABETHPORT, N.J.
SKAGIT STEEL & IRON WORKS SEDRO-WOOLEY, WASH.
SKF INDUSTRIES, INC. . . . . PHILADELPHIA, PA.
SLAYMAKER LOCK COMPANY . . . LANCASTER, PA.
SMITH & WESSON, INC. . . . SPRINGFIELD, MASS.
SMITH ASSOCIATES, INC., EBERLE M. DETROIT, MICH.
SMITH COMPANY, S. MORGAN . . . . . YORK, PA.
SMITH COMPANY, T. L. . . . MILWAUKEE, WIS.
SMITH-CORONA, INC. . . . . SYRACUSE, N.Y.
SMITH CORPORATION, A. O. . . . MILWAUKEE, WIS.
SNYDER TOOL & ENGINEERING CO. . DETROIT, MICH.
SOCONY MOBIL OIL COMPANY, WHITE STAR DIVISION . . . . . DETROIT, MICH.
SOLAR AIRCRAFT COMPANY . . SAN DIEGO, CALIF.
SOLAR STEEL CORPORATION . . CLEVELAND, OHIO
SONNEBORN COMPANY, ARTHUR B. . DETROIT, MICH.
SOUNDSCRIBER CORPORATION . NEW HAVEN, CONN.
SOUTHERN NATURAL GAS COMPANY BIRMINGHAM, ALA.
SOUTHERN STATES EQUIPMENT CORPORATION . . . . . HAMPTON, GA.
SOUTHWEST STONE COMPANY . . . . DALLAS, TEX.
S-P MANUFACTURING CORPORATION . . SOLON, OHIO
SPALDING & BROS., INC., A. G. . . CHICOPEE, MASS.
SPARTAN DESIGN INCORPORATED . . DETROIT, MICH.
SPARTON ELECTRONICS DIVISION, SPARTON CORPORATION . . . JACKSON, MICH.
SPENCER CHEMICAL COMPANY . KANSAS CITY, MO.
SPERRY GYROSCOPE COMPANY, DIVISION, SPERRY RAND CORPORATION . . . GREAT NECK, N.Y.
SPERRY RAND CORPORATION . . . NEW YORK, N.Y.
SPRAGUE & CARLETON, INC. . . . . KEENE, N.H.
SPRAGUE ELECTRIC COMPANY . . NORTH ADAMS, MASS.
SQUARE D COMPANY . . . . . DETROIT, MICH.
STACKPOLE CARBON COMPANY . . ST. MARYS, PA.
STALKER DEVELOPMENT COMPANY ESSEXVILLE, MICH.
STANDARD COIL PRODUCTS COMPANY . . . . . MELROSE PARK, ILL.
STANDARD FORGINGS CORPORATION . . CHICAGO, ILL.
STANDARD GAGE COMPANY . . POUGHKEEPSIE, N.Y.
STANDARD OIL COMPANY OF OHIO CLEVELAND, OHIO
STANDARD PRODUCTS COMPANY . . DETROIT, MICH.
STANDARD RAILWAY EQUIPMENT MANUFACTURING COMPANY . . . CHICAGO, ILL.
STANDARD SERVICE TIRE CO., INC. . SEATTLE, WASH.
STANDARD STEEL SPRING DIVISION, ROCKWELL SPRING AND AXLE COMPANY . . CORAOPOLIS, PA.
STANDARD TUBE COMPANY . . . DETROIT, MICH.
STANFORD RESEARCH INSTITUTE . MENLO PARK, CALIF.
STANLEY-CARTER COMPANY . . . DETROIT, MICH.
STA-RITE PRODUCTS, INC. . . . . DELAVAN, WIS.
STAVID ENGINEERING, INC. . . . PLAINFIELD, N.J.
STEARNS-ROGER MANUFACTURING CO. DENVER, COLO.
STEEL IMPROVEMENT & FORGE CO. CLEVELAND, OHIO
STELLAR ENGINEERING, INC. . . . DETROIT, MICH.
STEVENS & COMPANY, J. P. . . . NEW YORK, N.Y.
STEWART-WARNER CORPORATION . . CHICAGO, ILL.
STOCKHAM VALVES & FITTINGS, INC., BIRMINGHAM, ALA.
STOLLE CORPORATION . . . . CINCINNATI, OHIO
STONE & WEBSTER ENGINEERING CORPORATION . . . . . NEW YORK, N.Y.
STONER-MUDGE, INC. . . . . PITTSBURGH, PA.
STRATOFLEX, INC. . . . . FORT WORTH, TEX.
STRELINGER COMPANY, CHAS. A. . . DETROIT, MICH.
STROMBERG-CARLSON COMPANY, DIVISION OF GENERAL DYNAMICS CORPORATION ROCHESTER, N.Y.
STUART OIL COMPANY, D. A. . . . . CHICAGO, ILL.
SUN OIL COMPANY . . . . . PHILADELPHIA, PA.
SUNDSTRAND MACHINE TOOL COMPANY, ROCKFORD, ILL.
SUPERIOR COACH CORPORATION . . . LIMA, OHIO
SUPERIOR STEEL, DIVISION OF COPPERWELD STEEL COMPANY . . . . . CARNEGIE, PA.
SUPREME PRODUCTS CORPORATION . . CHICAGO, ILL.
SURFACE COMBUSTION CORPORATION . TOLEDO, OHIO
SVERDRUP & PARCEL, INC. . . . ST. LOUIS, MO.
SWAN-FINCH OIL CORPORATION . HACKENSACK, N.J.
SWANK, INC. . . . . ATTLEBORO, MASS.
SWINDELL-DRESSLER CORPORATION . PITTSBURGH, PA.
SYLVANIA ELECTRIC PRODUCTS, INC., WASHINGTON, D. C.
SYMINGTON-GOULD CORPORATION . . DEPEW, N.Y.
SYMINGTON WAYNE CORPORATION . NEW YORK, N.Y.

TALON, INC. . . . . MEADVILLE, PA.
TAYLOR & GASKIN, INC. . . . . DETROIT, MICH.
TELECOMPUTING CORPORATION . VAN NUYS, CALIF.
TELE-DYNAMICS, INC. . . . . PHILADELPHIA, PA.
TELEPHONICS CORPORATION . . HUNTINGTON, N.Y.
TEMCO AIRCRAFT CORPORATION . . . DALLAS, TEX.
TEMCO, INC. . . . . NASHVILLE, TENN.
TEMPLET INDUSTRIES INCORPORATED. BROOKLYN, N.Y.
TENNANT, SONS & COMPANY OF NEW YORK, C. . . . . NEW YORK, N.Y.
TENNESSEE COAL & IRON DIVISION, U. S. STEEL CORPORATION . . . . FAIRFIELD, ALA.
TENNESSEE CORPORATION . . . . NEW YORK, N.Y.
TENNESSEE EASTMAN COMPANY, DIVISION OF EASTMAN KODAK COMPANY . KINGSPORT, TENN.
TERNSTEDT DIVISION, GMC . . . DETROIT, MICH.
TEXAS EASTERN TRANSMISSION CORP. SHREVEPORT, LA.

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THIOKOL CHEMICAL CORPORATION . TRENTON, N.J.
THOMAS INDUSTRIES, INC. . FORT ATKINSON, WIS.
THOMAS MACHINE MANUFACTURING COMPANY . . . . . PITTSBURGH, PA.
THOMPSON & COMPANY, JOHN I. . WASHINGTON, D. C.
THOMPSON PRODUCTS, INC. . . CLEVELAND, OHIO
TIMKEN-DETROIT AXLE DIVISION, ROCKWELL SPRING AND AXLE COMPANY . . DETROIT, MICH.
TIMKEN ROLLER BEARING COMPANY . CANTON, OHIO
TITAN METAL MANUFACTURING CO. . BELLEFONT, PA.
TITEFLEX, INC. . . . . SPRINGFIELD, MASS.
TOKHEIM CORPORATION . . . FORT WAYNE, IND.
TORRINGTON COMPANY . . . TORRINGTON, CONN.
TOWER IRON WORKS . . . . . PROVIDENCE, R.I.
TOWNSEND COMPANY . . . . NEW BRIGHTON, PA.
TRACTOMOTIVE CORPORATION . . DEERFIELD, ILL.
TRAILMOBILE, INC. . . . . CINCINNATI, OHIO
TREADWELL CONSTRUCTION COMPANY . MIDLAND, PA.
TRIANGLE ELECTRIC COMPANY . . DETROIT, MICH.
TRICO PRODUCTS CORPORATION . . BUFFALO, N.Y.
TROJAN POWDER COMPANY . . . ALLENTOWN, PA.
TUBE REDUCING CORPORATION . WALLINGTON, N.J.
TULSA WINCH DIVISION, VICKERS, INC. TULSA, OKLA.
TUNG-SOL ELECTRIC, INC. . . . . NEWARK, N.J.
TURCO PRODUCTS, INC. . . . LOS ANGELES, CALIF.
TWIGG INDUSTRIES, DIVISION OF PRYOR MANUFACTURING COMPANY . . . BRAZIL, IND.
TWIN DISC CLUTCH COMPANY . . . . RACINE, WIS.

UNDERWOOD CORPORATION . . . NEW YORK, N.Y.
UNION CARBIDE CORPORATION . . NEW YORK, N.Y.
UNION HARDWARE COMPANY . . TORRINGTON, CONN.
UNION METAL MANUFACTURING COMPANY, CANTON, OHIO
UNION OIL COMPANY OF CALIFORNIA . . . . . LOS ANGELES, CALIF.
UNITED AIRCRAFT CORPORATION, EAST HARTFORD, CONN.
UNITED-CARR FASTENER CORP. . CAMBRIDGE, MASS.
UNITED ENGINEERING & FOUNDRY CO., PITTSBURGH, PA.
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UNITED SHOE MACHINERY CORPORATION, BOSTON, MASS.
UNITED STATES HOFFMAN MACHINERY CORPORATION . . . . . AUBURN, N.Y.
UNITED STATES HOFFMAN MACHINERY CORPORATION . . . . . NEW YORK, N.Y.
U. S. INDUSTRIAL CHEMICALS COMPANY, DIVISION OF NATIONAL DISTILLERS PRODUCTS CORPORATION . . . . . HUNTSVILLE, ALA.
U. S. INDUSTRIES, INC. . . . . NEW YORK, N.Y.
UNITED STATES PIPE AND FOUNDRY COMPANY . . . . . BIRMINGHAM, ALA.
UNITED STATES RUBBER COMPANY . NEW YORK, N.Y.
UNITED STATES STEEL CORPORATION PITTSBURGH, PA.
UNITED STATES TIME CORPORATION, WATERBURY, CONN.
UNITED TUBE CORPORATION OF OHIO, CLEVELAND, OHIO
UNIVERSAL MACHINE COMPANY . . FENTON, MICH.
UNIVERSAL MATCH CORPORATION . ST. LOUIS, MO.
UNIVERSAL OIL PRODUCTS COMPANY, DES PLAINES, ILL.
UNIVERSAL WINDING COMPANY . . CRANSTON, R.I.
UNIVERTICAL FOUNDRY & MACHINE COMPANY . . . . . DETROIT, MICH.

VANDERCOOK & SONS, INC. . . . . CHICAGO, ILL.
VAN DORN IRON WORKS COMPANY CLEVELAND, OHIO
VAN KEUREN COMPANY . . . WATERTOWN, MASS.
VAN NORMAN INDUSTRIES, INC. . . NEW YORK, N.Y.
VARIAN ASSOCIATES . . . . PALO ALTO, CALIF.
VEEDER-ROOT, INC. . . . . HARTFORD, CONN.
VERSON ALLSTEEL PRESS COMPANY . . CHICAGO, ILL.
VERTOL AIRCRAFT CORPORATION . . . MORTON, PA.
VICKERS, INC. . . . . DETROIT, MICH.
VICTOR MANUFACTURING & GASKET COMPANY . . . . . CHICAGO, ILL.
VICTORY PLASTICS COMPANY . . . HUDSON, MASS.
VINNELL COMPANY . . . . ALHAMBRA, CALIF.
VITRO CORPORATION OF AMERICA . NEW YORK, N.Y.
VOLCO BRASS AND COPPER CO. . KENILWORTH, N. J.

WAGNER ELECTRIC CORPORATION . ST. LOUIS, MO.
WALD INDUSTRIES, INC. . . . . HUNTINGDON, PA.
WALSH CONSTRUCTION COMPANY . PORTLAND, ME.
WALTERS MANUFACTURING COMPANY OAKMONT, PA.
WALTHAM PRECISION INSTRUMENT COMPANY . . . . . WALTHAM, MASS.
WALWORTH COMPANY . . . . . NEW YORK, N.Y.
WARD LAFRANCE TRUCK CORPORATION . ELMIRA, N.Y.
WARE BROTHERS DIVISION, CHICAGO ROLLER SKATE COMPANY . . . . . CHICAGO, ILL.
WARNER & SWASEY COMPANY . CLEVELAND, OHIO
WARNER ELECTRIC BRAKE & CLUTCH COMPANY . . . . . BELOIT, WIS.
WARREN BROTHERS ROADS COMPANY, CAMBRIDGE, MASS.
WASHINGTON MACHINE & TOOL WORKS, INC. . . . . MINNEAPOLIS, MINN.
WASHINGTON STEEL CORPORATION WASHINGTON, PA.
WASTE KING CORPORATION . LOS ANGELES, CALIF.
WATERBURY FARREL FOUNDRY & MACHINE COMPANY . . . . . WATERBURY, CONN.
WATSON MANUFACTURING COMPANY . JAMESTOWN, N.Y.
WAUKESHA MOTOR COMPANY . . . WAUKESHA, WIS.
WEATHERHEAD COMPANY . . . CLEVELAND, OHIO
WEBB COMPANY, JERVIS B. . . . DETROIT, MICH.
WEIRTON STEEL COMPANY . . . WEIRTON, W.VA.
WELEX, INC. . . . . FORT WORTH, TEX.
WELLMAN COMPANY, S. K. . . . BEDFORD, OHIO
WELTRONIC COMPANY . . . . . DETROIT, MICH.
WERNER COMPANY, R. D. . . . . GREENVILLE, PA.
WEST BEND ALUMINUM COMPANY . WEST BEND, WIS.
WEST TIRE SETTER COMPANY . . . ROCHESTER, N.Y.
WESTERN ARC WELDING, INC. . LOS ANGELES, CALIF.
WESTERN ELECTRIC COMPANY . . NEW YORK, N.Y.
WESTERN GEAR CORPORATION . LYNWOOD, CALIF.
WESTINGHOUSE AIR BRAKE COMPANY, WILMERDING, PA.
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WHITE SEWING MACHINE CORPORATION . . . . . CLEVELAND, OHIO
WHITEHEAD & KALES COMPANY . RIVER ROUGE, MICH.
WHITEHEAD STAMPING COMPANY . . DETROIT, MICH.
WHITIN MACHINE WORKS . . WHITINSVILLE, MASS.
WIEGAND COMPANY, EDWIN L. . . PITTSBURGH, PA.
WILCOX FORGING CORPORATION . MECHANICSBURG, PA.
WILDING PICTURE PRODUCTIONS, INC. . CHICAGO, ILL.
WILLYS MOTORS, INC. . . . . TOLEDO, OHIO
WINCHESTER-WESTERN DIVISION, OLIN MATHIESON CHEMICAL CORPORATION . . NEW HAVEN, CONN.
WINTER-WEISS COMPANY . . . . DENVER, COLO.
WISCONSIN MOTOR CORPORATION MILWAUKEE, WIS.
WOLLENSAK OPTICAL COMPANY . . ROCHESTER, N.Y.
WOLVERINE TUBE DIVISION, CALUMET & HECLA, INC. . . . DETROIT, MICH.
WOOD COMPANY, R. D. . . . . PHILADELPHIA, PA.
WOODALL INDUSTRIES, INC. . . . DETROIT, MICH.
WORCESTER TAPER PIN COMPANY WORCESTER, MASS.
WORDEN-ALLEN COMPANY . . MILWAUKEE, WIS.
WRIGHT MACHINE COMPANY . . WORCESTER, MASS.
WYANDOTTE CHEMICALS CORPORATION . . . . . WYANDOTTE, MICH.
WYCKOFF STEEL COMPANY . . . PITTSBURGH, PA.

YALE RUBBER MANUFACTURING COMPANY . . . . . SANDUSKY, MICH.
YARDNEY ELECTRIC CORPORATION . NEW YORK, N.Y.
YODER COMPANY . . . . . CLEVELAND, OHIO
YOUNG RADIATOR COMPANY . . . . RACINE, WIS.
YOUNG SPRING & WIRE CORPORATION, L. A. . . . . DETROIT, MICH.
YOUNGSTOWN KITCHENS DIVISION, AMERICAN RADIATOR & STANDARD SANITARY CORPORATION . . . . . SALEM, OHIO
YOUNGSTOWN SHEET & TUBE COMPANY . . . . . YOUNGSTOWN, OHIO
YUBA CONSOLIDATED INDUSTRIES, INC. . . . . SAN FRANCISCO, CALIF.

ZELLER CORPORATION . . . . . DEFIANCE, OHIO
ZENITH RADIO CORPORATION . . . . CHICAGO, ILL.
ZIM MANUFACTURING COMPANY . . . CHICAGO, ILL.